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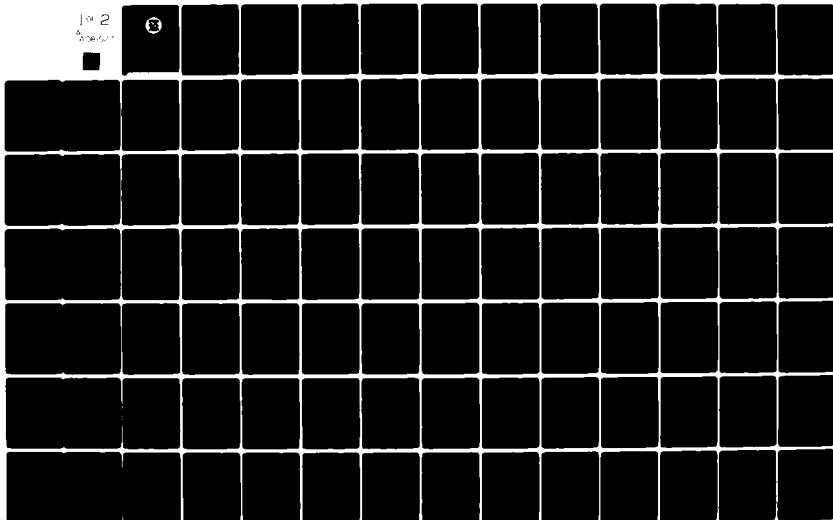
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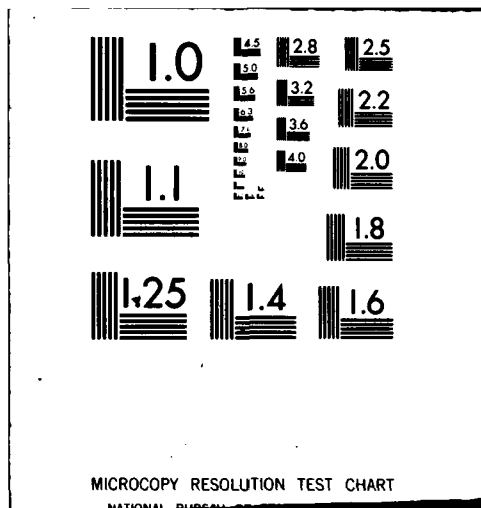
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SURFACE DRIFTER DATA FROM THE CARIBBEAN SEA
AND GULF OF MEXICO, 1975-1978

R. D. Parker
J. M. Morrison
W. D. Nowlin, Jr.

Reference 79-8-T
December 1979

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Department of Oceanography
Texas A&M University

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20. ABSTRACT (Continue on reverse side if necessary and identify by block number) From 1975 through 1978 the Surface Drifter Project was carried on by the Department of Oceanography, Texas A&M University. During that time 15,684 drifters were launched in the Gulf of Mexico and Caribbean Sea. The launches were usually made in batches of 20 or 25 drifters and were deployed at 748 distinct locations on 35 separate cruises. As of 1 January 1979 there had been 2,127 drifters found and the locations reported indicating a return of 14%.			

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TABLE OF CONTENTS

	Page No.
Text	1
References	3
Table 1. Number of drifters launched and reported 1975-78; arranged according to month of launch and vessel .	4
Summary of information regarding drifters found and reported which were launched for the following cruises:	
Table 2. R/V RESEARCHER, 30 Oct. - 25 Nov. 1975	7
Table 3. R/V GYRE, Cruise 75-G-15, 4 November 1975	19
Table 4. R/V GYRE, Cruise 75-G-16, 12-17 November 1975 . . .	20
Table 5. R/V GYRE, Cruise 75-G-17, 25 November 1975	22
Table 6. CIRCE, 20-26 December 1975	23
Table 7. R/V RESEARCHER, 12-16 February 1976	26
Table 8. USCGS ACUSHNET, 18 Feb. - 18 Mar. 1976	28
Table 9. R/V GYRE, Cruise 76-G-2, 26 Feb. - 1 Mar. 1976 . .	33
Table 10. R/V GYRE, Cruise 76-G-3, 16-30 March 1976	36
Table 11. R/V GYRE, Cruise 76-G-7 II, 26 July - 4 Aug. 1976 .	40
Table 12. ERIN LEDDY-JONES, 5 August 1976	45
Table 13. R/V RESEARCHER, 20-24 August 1976	46
Table 14. R/V RESEARCHER, 8 Oct. - 13 Nov. 1976	48
Table 15. R/V GYRE, Cruise 76-G-10, 10-26 October 1976 . . .	63
Table 16. R/V GYRE, Cruise 76-G-11, 4-17 November 1976 . . .	67
Table 17. R/V GYRE, Cruise 76-G-12, 22-23 November 1976 . . .	72
Table 18. R/V GYRE, Cruise 76-G-13, 1-3 December 1976	73
Table 19. USCG ACUSHNET, 3-9 December 1976	74
Table 20. USCG ACUSHNET, 21-27 January 1977	77

Table of Contents (Continued)

	Page No.
Table 21. R/V GYRE, Cruise 77-G-1, 29 Jan. - 16 Mar. 1977 . .	79
Table 22. R/V GILLIS, 17 Feb. - 1 Mar. 1977	83
Table 23. R/V GYRE, Cruise 77-G-2, 28-31 March 1977	85
Table 24. STORMY WEATHER, 25-27 April 1977	87
Table 25. R/V GILLIS, 28 Apr. - 1 May 1977	88
Table 26. R/V GYRE, Cruise 77-G-3, 14-21 April 1977	89
Table 27. R/V YOUNGSTER III, 14 June - 9 Aug. 1977	92
Table 28. COLUMBUS ISELIN, 21 July - 5 Aug. 1977	95
Table 29. R/V GYRE, Cruise 77-G-8, 23 July - 25 Aug. 1977 . .	99
Table 30. Florida Dept. of Natural Resources Vessel, 27-30 July 1977	103
Table 31. R/V GYRE, Cruise 77-G-11, 8-27 October 1977	105
Table 32. R/V GYRE, Cruise 77-G-13, 12-29 November 1977 . . .	109
Table 33. R/V GYRE, Cruise 78-G-3, 1-9 April 1978	113
Table 34. R/ V GYRE, Cruise 78-G-4, 24 Apr. - 8 May 1978 . .	116
Table 35. R/V GYRE, Cruise 78-G-8, 11-14 September 1978 . . .	117
Figure 1. Dimensions of plastic Woodhead surface drifters used in this study showing inscription printed on the drifters	118
Locations of launches and recoveries of drifters deployed on the following cruises:	
Figure 2a R/V RESEARCHER, 30 Oct. - 25 Nov. 1975, batches and 2b 1-72	119
Figure 3. R/V GYRE, Cruise 75-G-15, 4 November 1975, batches 86-87	121
Figure 4. R/V GYRE, Cruise 75-G-16, 12-17 November 1975, batches 88-97	122
Figure 5. R/V GYRE, Cruise 75-G-17, 24-25 November 1975, batches 98 and 99	123

Table of Contents (Continued)

	Page No.
Figure 6. CIRCE, 20-26 December 1975, batches 100-129	124
Figure 7. R/V RESEARCHER, 12-16 February 1976, batches 73-83	125
Figure 8. USCG ACHUSHNET, 18 Feb. - 19 Mar. 1976, batches 181-204	126
Figure 9. R/V GYRE, Cruise 76-G-2, 26 Feb. - 1 Mar. 1976, batches 205-217	127
Figure 10. R/V GYRE, Cruise 76-G-3, 16-30 March 1976, batches 223-261	128
Figure 11. R/V GYRE, Cruise 76-G-7 II, 26 July - 4 Aug. 1976, batches 262-308	129
Figure 12. ERIN LEDDY-JONES, 5 August 1976, batches 320-323 .	130
Figure 13. R/V RESEARCHER, 20-24 August 1976, batches 335-346 .	131
Figure 14a and 14b. R/V RESEARCHER, 8 Oct. - 13 Nov. 1976, batches 218-222; 309-319; 347-441	132
Figure 15. R/V GYRE, Cruise 76-G-10, 10-26 October 1976, batches 486-513	134
Figure 16. R/V GYRE, Cruise 76-G-11, 4-17 November 1976, batches 514-542	135
Figure 17. R/V GYRE, Cruise 76-G-12, 22-23 November 1976, batches 543-545	136
Figure 18. R/V GYRE, Cruise 76-G-13, 1-3 December 1976, batches 546-548	137
Figure 19. USCG ACHUSHNET, 3-9 December 1976, batches 549- 564B	138
Figure 20. USCG ACHUSHNET, 21-27 January 1977, batches 585-599	139
Figure 21a and 21b. R/V GYRE, Cruise 77-G-1, 29 Jan. - 1 Feb. 1977 and 14-16 March 1977, batches 600-614 and 615-628 . . .	140
Figure 22. R/V GILLIS, 17 Feb. - 1 Mar. 1977, batches 324- 334	142

Table of Contents (Continued)

	Page No.
Figure 23. R/V GYRE, Cruise 77-G-2, 28-31 March 1977, batches 629-635	143
Figure 24. STORMY WEATHER, 25-27 April 1977, batches 480-485 .	144
Figure 25. R/V GILLIS, 28 Apr. - 1 May 1977, batches 636-645 .	145
Figure 26. R/V GYRE, Cruise 77-G-3, 14-21 April 1977, batches 646-662	146
Figure 27. R/V YOUNGSTER III, 14 June - 9 Aug. 1977, batches 663-697	147
Figure 28. R/V COLUMBUS ISELIN, 21 July - 5 Aug. 1977, batches 565-584	148
Figure 29. R/V GYRE, Cruise 77-G-8, 23 July - 25 Aug. 1977, batches 708-742	149
Figure 30a and 30b. Florida Dept. of Natural Resources Vessel, 27-30 July 1977, batches 744-751	150
Figure 31. R/V GYRE, Cruise 77-G-11, 8-27 October 1977, batches 698-707; 755-772	152
Figure 32. R/V GYRE, Cruise 77-A-13, 12-29 November 1977, batches 777-807	153
Figure 33. R/V GYRE, Cruise 78-G-3, 1-9 April 1978, batches 773-776; 813-830	154
Figure 34. R/V GYRE, Cruise 78-G-4, 24 Apr. - 8 May 1978, batches 831-842	155
Figure 35. R/V GYRE, Cruise 78-G-8, 11-14 September 1978, batches 808-815	156
Figure 36. Number of drifters reported from segments of Gulf of Mexico coasts.	157

One classical method of obtaining information regarding the surface circulation of the sea is to release floating objects which are tagged and offer a reward for information regarding where they are later found. In 1973, D. F. Paskausky and D. L. Murphy, of the University of Connecticut, initiated a pilot program of this type in the Caribbean Sea and Gulf of Mexico.

The Woodhead surface drifters used (Fig. 1) are yellow plastic concave disks (18 cm in diameter) with red plastic stems (52 cm in length). They were imprinted in English and Spanish with the offer of a reward. These drifters float almost totally submerged; the stems act as rudders. Between October 25 and December 11, 1973, a total of 1015 drifters were released; 806 additional drifters were released between June 6 and July 27, 1974. For those two releases, returns were obtained from 7.4% and 5.7% of the drifters. The results have been summarized in two short publications by Murphy et al. (1975) and Paskausky and Nowlin (1978).

The Office of Naval Research began in 1975 the support of a project within the Department of Oceanography at Texas A&M University to deploy a large number of Woodhead drifters from research vessels and ships of opportunity passing through the Caribbean Sea and Gulf of Mexico. (Funding was provided through Contract N00014-75-C-0537.) From October 1975 through December 1978, 15,684 surface drifters were released, usually in batches of either 20 or 25, at 748 distinct stations. In Table 1 we summarize the drifter launches by month, showing ship, release batch numbers, number of drifters released and the percent found and reported as of January 26, 1979.

Detailed information regarding drifters found and reported is presented in Tables 2-35. Each table presents, for a specific cruise or ship passage through the region, the locations and dates of both launch and recovery for each such drifter reported. The tables are arranged by cruise according to time.

For each cruise one or two figures are used to present a visual summary of this information. Shown are the locations of launches and

the locations of reported drifters found. (For example, Figs. 2a and 2b are for drifter batches 1-72 released from the RESEARCHER.) By each release station is a number (identical to the drifter batch number) and the ratio of the number of drifters found and reported to the number deployed. By the coastal location at which each reported drifter was found is the number of the station (batch number) at which it was released. Analogous information for all other cruises is presented in Figures 3-35. The numbers of these figures are the same as those for the tables giving launch and recovery positions by cruises.

For the coasts around the Gulf of Mexico the regions of high frequency of return tend to coincide with more populated, coastal resort areas (Fig. 36). Within that pattern, however, there is a pronounced trend of very high frequency of return along the Texas coast pointing to near shore convergence in this region. Also, there were fewer returns than expected along the resort coastal areas of Mississippi, Alabama and the panhandle of Florida. For those regions with comparatively dense coastal population and beach areas, it can only be assumed that drifters are not reaching the beaches due to the current regime.

REFERENCES

- Murphy, D. L., D. F. Paskausky, W. D. Nowlin, Jr. and W. J. Merrell, Jr. 1975. Movement of surface drifters in the American Mediterranean. J. Phys. Oceanogr., 5: 549-551.
- Paskausky, D. F., and W. D. Nowlin, Jr. 1978. A comparison of summer and winter drifter movements within the American Mediterranean. In: CICAR-II Symposium on progress in marine research in the Caribbean and adjacent regions, Caracas, July 1976 (H. B. Stewart, Jr., editor). FAO, Fisheries Report No. 200 Suppl., p. 133-137.

Table 1. Numbers of drifters launched and reported found 1975-1978; arranged according to month of launch and vessel.

Month	Vessel	Batch Numbers	Number Launched	Number Reported	Percent Reported
January	ACUSHNET	585-599	300	48	16%
	GYRE	600-612	260	37	14%
		Total	560	85	15%
February	RESEARCHER	73-83	275	54	20%
	ACUSHNET	181-191	275	57	21%
	GYRE	205-215	275	63	23%
	GILLIS	324-332,			
		334	200	34	17%
	GYRE	613-614	40	2	5%
		Total	1065	210	20%
March	ACUSHNET	192-204	315	86	27%
	GYRE	216-217	50	15	30%
	GYRE	223-261	780	72	9%
	GYRE	615-628	280	61	22%
	GYRE	629-635	140	31	22%
	GILLIS	333	20	4	20%
		Total	1585	269	17%
April	STORMY WEATHER	480-485	60	12	20%
	GILLIS	636-644	180	6	3%
	GYRE	646-662	340	48	14%
	GYRE	773-776	80	26	32%
	GYRE	816-830	300	49	16%
	GYRE	831-836	120	5	4%
		Total	1080	146	14%
May	GILLIS	645	20	2	10%
	GYRE	837-842	119	4	3%
		Total	139	6	4%
June	YOUNGSTER III	663-672	200	7	4%
		Total	200	7	4%

Table 1. (Continued)

Month	Vessel	Batch Numbers	Number Launched	Number Reported	Percent Reported
July	GYRE	262-292	620	28	4%
	YOUNGSTER III	673-687	300	14	5%
	COLUMBUS-ISELIN	565-571	140	27	19%
		574-575	40	7	18%
		578	20	2	10%
		584	20	4	20%
	GYRE	708-725	360	23	6%
	FL Dept. N. R. *	744-749, 751	140	30	21%
		Total	1640	135	8%
August	GYRE	293-308	320	34	11%
	ERIN-LEDDY JONES	320-323	80	0	0%
	RESEARCHER	335-346	240	24	10%
	YOUNGSTER III	688-697	200	11	6%
	COLUMBUS-ISELIN	572-573	40	13	32%
		576-577	40	14	35%
		579-583	80	18	22%
	GYRE	726-742	340	29	8%
		Total	1340	143	11%
September	GYRE	808-815	160	0	0%
		Total	160	0	0%
October	RESEARCHER	1-5	125	3	2%
	RESEARCHER	218-222	115	24	21%
		309-319	220	27	12%
		347-354	160	42	26%
		355-398	880	123	14%
		442	20	1	5%
	GYRE	486-513	560	86	15%
	GYRE	698-707	200	27	14%
		755-772	360	49	14%
		Total	2640	382	14%
November	RESEARCHER	6-72	1675	258	15%
	GYRE	86-87	50	14	28%
	GYRE	88-97	250	49	20%
	GYRE	98-99	50	14	28%
	RESEARCHER	399-441	860	101	12%
	GYRE	514-542	580	90	
	GYRE	543-545	60	11	18%
	GYRE	777-807	620	76	12%
		Total	4145	613	15%

* Florida Department of Natural Resources

Table 1. (Continued)

Month	Vessel	Batch Numbers	Number Launched	Number Reported	Percent Reported
December	CIRCE	100-129	750	52	7%
	GYRE	546-548	60	15	25%
	AUCHNET	549-564B	320	64	20%
		Totals	1130	131	12%
	TOTALS for all months:		15684	2127	14%

Table 2. Summary of information regarding drifters found and reported which were launched from the R/V RESEARCHER, 30 Oct. - 25 Nov. 1975: 25 drifters launched in each batch.

Launch Date	Launch Position	Batch No.	Drifter No.	Recovery Date	Recovery Position
10/30/75	18°21'N 67°42'W	1			
10/30/75	18°07'N 68°13'W	2			
10/31/75	17°16'N 75°03'W	3	004944 004927 004932	02/05/76 03/20/76 08/28/76	Miami Beach, FL Hallandale Beach, near Hollywood, FL Cayman Kai, Grand Cayman
10/31/75	17°17'N 76°23'W	4			
10/31/75	17°15'N 77°11'W	5			
11/01/75	17°47'N 78°31'W	6	004854 004871 004860	03/22/76 04/17/76 09/03/76	Islamorada, FL Miami, FL Padre Island, TX
11/01/75	17°29'N 79°13'W	7	004828 004842 004839	03/19/76 04/23/76 06/15/76	Rio Uchach, Quintana Roo, Mexico Vera Cruz, Mexico Xcalak, Q. Roo, Mexico
11/01/75	17°18'N 79°46'W	8	004813	05/22/76	Padre Island, TX
11/02/75	17°07'N 80°29'W	9	004787 004791 004783 004793 004792 004800 004796 004790 004799	12/07/75 12/05/75 12/07/75 12/13/75 12/05/75 03/12/76 03/16/76 06/11/76 12/10/77	Jensen Beach, FL Beach at Hobe Sound, FL Cocoa Beach, FL Jupiter Inlet - light house FL Jupiter Island FL Lake Worth Beach, FL DeTray Beach, FL Port Aransas, TX Cumberland Island, GA

Table 2. (Continued)

Launch Date	Launch Position	Batch No.	Drifter No.	Recovery Date	Recovery Position
11/02/75	16°57'N 81°55'W	10	004771 004756	02/04/76 04/24/76	Belize, Central America Port O'Conner, TX
11/02/75	17°25'N 82°41'W	11	004728 004742 004743 004737 004739 004727	01/02/76 01/25/76 03/07/76 04/25/76 05/01/76 05/12/77	Key Largo, FL Key Largo, FL Cape Kennedy, FL Port O'Conner, TX Sargent, TX Jersey Channel Island, France
11/03/75	17°50'N 83°21'W	12			
11/03/75	18°14'N 84°10'W	13	004696	11/29/75	Gun Cay Island in the Bimini Chain
11/03/75	18°42'N 84°49'W	14	004658 004674 004657	12/30/75 04/11/75 12/07/75	Lake Worth Beach, FL Tres Barriles, Cuba: 81°51'N, 23°10'W Havana, Cuba
11/04/75	19°10'N 85°36'W	15	004631	12/07/75	Playalinda Beach, FL
11/04/75	19°22'N 86°16'W	16			
11/04/75	19°24'N 86°51'W	17	004589 004586 004581	12/26/75 03/15/76 07/26/76	Palm Beach, FL Key West, FL San Louis Pass, Galveston,
11/05/75	19°24'N 87°15'W	18	004574 004570 004560	11/11/75 03/24/76 12/24/77	Beach Playa del Carmen, Quanta, Roo, Mexico Plantation Key, FL Cancun, Yucatan, Mexico

Table 2. (Continued)

Launch Date	Launch Position	Batch No.	Drifter No.	Recovery Date	Recovery Position
11/05/75	20°10'N 87°19'W	19	004550	07/12/76	High Island, TX
11/06/75	20°09'N 86°47'W	20	004503 004514 004509 004515 004505	11/25/75 11/22/75 11/25/75 12/04/75 12/04/75	Southern Delray Beach, FL South Delray Beach, FL Palm Beach, FL Ft. Lauderdale, FL Hobe Sound, FL
11/06/75	20°12'N 86°17'W	21	004495	02/07/76	Military Canal, Homestead, FL
11/07/75	20°37'N 85°46'W	22	004477 004467	12/06/75 12/28/76	Vero Beach, FL Palm Beach, FL
11/07/75	20°52'N 85°54'W	23			
11/08/75	20°51'N 86°34'W	24	004419	04/10/76	Lake Worth, FL
11/08/75	21°01'N 86°38'W	25	004398 004393 004392 004391 004388 004387 004386 004382 004381 004380 004379 004378 004376 004390 004397 004394	11/09/75 11/09/75 11/09/75 11/09/75 11/09/75 11/09/75 11/09/75 11/09/75 11/09/75 11/09/75 11/09/75 11/09/75 11/09/75 11/07/75 11/09/75 11/09/75	Island of Cancun off the Yucatan Penn. Island of Cancun off the Yucatan Penn. Island of Cancun off the Yucatan Penn. Island of Cancun off the Yucatan Penn. Island of Cancun off the Yucatan Penn. Island of Cancun off the Yucatan Penn. Island of Cancun off the Yucatan Penn. Island of Cancun off the Yucatan Penn. Island of Cancun off the Yucatan Penn. Island of Cancun off the Yucatan Penn. Island of Cancun off the Yucatan Penn. Island of Cancun off the Yucatan Penn. Island of Cancun off the Yucatan Penn. Island of Cancun off the Yucatan Penn. Beach Cancun Island, Yucatan, Mexico Caribe, Yucatan, Mexico Cancun Island, Yucatan

Table 2. (Continued)

Launch Date	Launch Position	Batch No.	Drifter No.	Recovery Date	Recovery Position
11/09/75	21°39'N 86°19'W	26	004389 004399 004400	11/09/75 11/09/75 11/14/75	Cancun Island, Yucatan, Mexico Cancun Island, Yucatan, Mexico Hotel Cancun Caribe, Yucatan, Mexico
11/09/75	21°43'N 85°53'W	27	004358 004330	12/20/75 12/09/75	Playalinda Beach, FL Melbourne Beach, FL
11/09/75	21°46'N 85°35'W	28			
11/09/75	21°47'N 85°15'W	29	004281	12/21/75	North Bimini Island
11/13/75	21°46'N 85°12'W	30	004257 004267 004272 004253	02/24/76 03/09/76 05/10/76 06/01/77	Singer Island, FL Bahia Honda Key, FL Jupiter, FL Miami, FL
11/14/75	21°46'N 85°24'W	31			
11/15/75	23°24'N 86°20'W	32	004222 004214 004220 004209 004223	01/25/76 02/29/76 05/10/76 06/12/76 07/05/76	Bal Harbour, Miami, FL Key Largo, FL Vero Beach, FL Padre Island, TX, 42 mi. S. Bob Hall Pier Matheson, FL
11/15/75	23°46'N 86°54'W	33	004200 004194 004184	06/02/76 11/02/76 12/30/76	South Padre Island Beach, Port Aransas, TX North Padre Island, TX
11/16/75	24°31'N 87°27'W	34	004164 004168	04/25/76 07/24/76	Port Aransas, TX Rutherford Beach, LA, near Cameron, LA

Table 2. (Continued)

Launch Date	Launch Position	Batch No.	Drifter No.	Recovery Date	Recovery Position
11/16/75	25°23'N 88°06'W	35	004129 004148 004133 004147 004138 004137	01/09/76 01/24/76 04/09/76 04/22/76 03/13/76 12/03/76	Miami Beach, FL Miami Beach, FL Lake Worth Beach, FL Elliott Key near Christmas Point, FL Hollywood, FL Melbourne Beach, FL
11/16/75	26°20'N 88°22'W	36	004109 004101 004118 004110	05/16/76 06/14/76 07/14/75 09/13/76	Gilchrist, TX Padre Island, TX Freeport, TX Vero Beach, FL
11/16/75	27°18'N 88°35'W	37	004083 004090 004078	03/05/76 05/07/76 05/16/76	Bolivar Peninsula near High Island, TX Sabine Jetties, TX San Luis, TX
11/17/75	28°48'N 88°57'W	38	004079 004055 004062 004074 004053 004051 004068 004071 004061 004069 004059	02/19/76 03/10/76 02/14/76 03/24/76 03/10/76 05/09/76 05/14/76 03/26/76 08/02/76 10/16/76 07/05/76	San Luis Pass, TX Freeport, TX Middle Madagorda Peninsula, TX South Padre Island, TX Rollover Pass, TX Padre Island, TX Port Aransas, TX Padre Island, TX Matagorda Jetties, TX Matagorda Penn. near Colorado River, TX Port Mansfield Jetties, Padre Island, TX

Table 2. (Continued)

Launch Date	Launch Position	Batch No.	Drifter No.	Recovery Date	Recovery Position
11/17/79	28°54'N 88°27'W	39	004046 004028 004035 004040 004039 004034 004050	04/11/76 04/24/76 05/02/76 05/30/76 07/15/76 06/17/76 03/20/77	San Luis Pass, TX Deer Island, Biloxi, MS Padre Island, TX, 35 mi. S. Bob Hall Pier Smith Bayou in Cameron Parrish, LA Freeport, TX North Pass, Rockport, TX Brownsville, TX
11/17/76	29°03'N 87°55'W	40	004025 004015 004021 004001 004007 004020	03/07/76 04/26/76 05/15/76 06/17/76 06/18/76 01/21/77	San Luis Pass, TX Bolivar Penn., TX Pensacola, FL Hobe Sound, FL Mustang Island, TX Port Aransas, TX
11/18/75	29°08'N 87°22'W	41	000003 000010	03/27/76 08/27/76	N. Key Largo, FL Matagorda, TX
11/18/75	29°05'N 86°47'W	42	000050 000029 000036 000032 000026 000040	05/15/76 06/10/76 06/05/76 10/14/76 10/23/76 02/20/77	Panama City, FL Key Largo, FL Galveston, TX Horn Island (Dog Keys Pass) Mississippi Sound, MS Key West, FL Port O'Conner, TX
11/18/75	28°56'N 86°16'W	43	000059 000074 000065 000061	04/02/76 05/06/76 07/10/76 06/27/76	Turtle Mound, near Orlanda, FL Vero Beach, FL West Summerland Key, FL Key Largo, FL

Table 2. (Continued)

Launch Date	Launch Position	Batch No.	Drifter No.	Recovery Date	Recovery Position
11/18/75	28°55'N 85°47'W	44	000088	03/04/76	Ocean side, Marathon, FL
			000077	03/16/76	Riviera Beach, FL
			000087	03/27/76	Lower Sugarloaf Key, FL
			000097	05/01/76	Miami Beach, FL
			000082	09/26/76	Ft. Pierce, FL
			000100	01/30/78	Marathon Key, FL
11/18/75	28°39'N 85°26'W	45	000103	02/21/76	Matecumbe Island Key near Islamorada, FL
			000107	03/02/76	Lower Islamorada Island, FL
			000122	03/19/76	Key Biscayne, FL
			000120	03/11/76	Lignumvitae Key, FL
			000106	03/25/76	Elliott Key, FL
			000101	04/17/76	West Palm Beach, FL
			000118	04/27/76	Julia Island, Key Largo, FL
			000114	04/28/76	Ft. Lauderdale, FL
			000102	05/15/76	Melbourne Beach, FL
11/18/75	28°22'N 85°00'W	46	000133	03/03/76	Highland Beach, FL
			000120	03/11/76	Lignumvitae Key, Florida Bay, FL
			000129	05/17/76	Juno Beach, FL
			000139	06/09/76	Marathon, FL
			000136	06/21/76	High Island, TX
11/19/75	28°18'N 85°52'W	47	000173	03/12/76	Highland Beach, FL
			000165	04/24/76	Key Biscayne, FL
			000152	04/22/76	Key Biscayne, FL
			000165	07/13/76	Pensacola, FL
			000162	07/17/76	Clearwater Beach, FL

Table 2. (Continued)

Launch Date	Launch Position	Batch No.	Drifter No.	Recovery Date	Recovery Position
11/19/75	28°18'N 86°48'W	48	000205 000191 000183 000196 000192 000200	03/09/76 03/04/76 04/27/76 06/14/76 08/16/76 11/18/76	High Island, TX Galveston Island, TX N. Key Largo, FL Cook Island, Big Pine Key, FL Matecumbe Key, FL Elliott Key, FL
11/19/75	28°16'N 87°45'W	49	000205 000223 000218 000203 000220 000214	03/09/76 03/20/76 04/11/76 08/09/76 12/27/76 07/04/76	High Island, TX South Padre Island, TX Sargent Beach, TX West of Corpus Christi, TX Matagorda Island, TX Port Mansfield Jetties, Padre Island, TX
11/19/75	27°21'N 87°32'W	50	000232 000250 000229 000243 000226	03/13/76 06/04/76 06/24/76 10/10/76 10/24/76	Miami Beach, FL Padre Island, TX, 5 mi. S. Bob Hall Pier Destin, FL Fairhope, AL Ft. Pierce, FL
11/20/75	27°20'N 86°32'W	51	000265 000274	03/26/76 09/24/77	North Padre Island, TX High Island, TX
11/20/75	27°20'N 85°44'W	52	000280 000300 000279 000287 000293 000277 000282	04/23/76 05/08/76 05/08/76 05/09/76 06/25/76 06/24/76 94/29/78	Key West, FL Matagorda Penn., TX Mouth of Mermentau River, LA Galveston, TX Sargent Beach, TX Galveston, TX Santa Rosa Island, FL

Table 2. (Continued)

Launch Date	Launch Position	Batch No.	Drifter No.	Recovery Date	Recovery Position
11/20/75	27°19'N 84°47'W	53	000303 000311 000314 000318 000306	04/18/76 06/25/76 08/27/76 10/20/76 12/22/76	Plantation Key, FL Bolivar Peninsula, TX Sugarloaf Key, FL Ft. Pierce, FL Key Largo, FL
11/20/75	26°20'N 84°51'W	54	000336 000335	04/12/76 04/30/76	Melbourne Beach, FL Biloxi, MS
11/21/75	26°20'N 85°33'W	55	000363 000354 000371 000373 000370 000356 000357	02/29/76 03/16/76 04/25/76 05/05/76 05/15/76 07/07/76 10/09/77	New Smyrna Beach, East Florida coast Lake Worth Beach, FL Panama City Beach, FL Port Aransas, TX Melbourne Beach, FL Johnson Bayou, LA Key Largo, FL
11/21/75	26°19'N 86°19'W	56	000387 000380 000383 000381 000386 000388 000392 000378	03/14/76 02/15/76 04/13/76 05/09/76 03/23/76 05/30/76 07/31/76 09/14/76	Padre Island, TX, northern entrance Key Biscayne, FL South Padre Island, TX Sargent Beach, TX Marques Island S. of Key West, FL S. Bob Hall Pier, Padre Island, Corpus Christi, TX Matagorda Penn., TX St. Augustine, FL
11/21/75	25°49'N 87°09'W	57	000412 000413 000410	01/11/76 01/08/76 03/19/76	Ft. Lauderdale, FL Marathon Key, FL Miami Beach, FL

Table 2. (Continued)

Launch Date	Launch Position	Batch No.	Drifter No.	Recovery Date	Recovery Position
11/21/75	25°19'N 86°07'W	58	000419	04/03/76	Malequite Beach, Padre Island, Texas
			000402	04/03/76	Malequite Beach, Padre Island, Texas
			000421	04/03/76	Malequite Beach, Padre Island, Texas
			000411	06/12/76	Big Coppitt Key, FL
			000407	07/10/76	Mouth of Colorado River, Texas coast
			000414	08/02/76	Matagorda Beach, Texas
			000406	09/27/76	Rivera Beach, FL
			000384	04/24/77	Port O'Conner, Texas
11/22/75	25°21'N 85°08'W	59	000445	12/14/75	Hutchinson's Island near Stuart, FL
			000440	12/12/75	Beach at Dania, FL
			000449	12/18/75	Port Sewell, FL
			000437	12/24/75	Ft. Lauderdale, FL
			000431	01/03/76	Elliott Key, FL
			000427	02/18/76	Marathon Somboro Beach, Florida Keys
11/22/75	25°21'N 85°08'W	59	000439	06/01/76	West Palm Beach, FL
			000463	12/14/75	Hobe Sound, FL
			000462	12/13/75	Jupiter Inlet Lighthouse, FL
11/22/75	25°18'N 84°16'W	60	000468	01/20/76	Hutchinson Island, FL
			000494	12/07/75	Pelican Cove, South of Vero Beach, FL
			000492	12/06/75	Vero Beach, FL
11/22/75	24°26'N 85°05'W	61	000496	12/20/75	Playalinda Beach, Titusville, FL
			000502	12/30/75	Phipps Beach, Palm Beach, FL

Table 2. (Continued)

Launch Date	Launch Position	Batch No.	Drifter No.	Recovery Date	Recovery Position
11/22/75	25°19'N 84°16'W	62	000547 000537 000531 000532 000543 000549 000529 000530 000539 000544	12/06/75 12/06/75 12/05/75 12/13/75 12/08/75 12/14/75 12/20/75 11/07/76 11/08/76 05/15/78	Baca Raton, FL Baco Inlet, Baca Raton, FL Lauderdale by the Sea, FL Jupiter Inlet Lighthouse, FL Stuart, FL Ft. Pierce, FL Hobe Sound, FL Tequesta, FL Blowing Rock Preserve, Martin Co. FL Baca Raton, FL
11/23/75	23°44'N 85°43'W	63	000554 000572 000555 000552 000562	12/04/75 12/05/75 12/04/75 12/13/75 12/13/75	Ft. Lauderdale, FL Jupiter Beach, FL Ft. Lauderdale, FL Vero Beach, FL Vero Beach, FL
11/23/75	23°15'N 85°00'W	64	000599	12/25/75	Pompano Beach, FL
11/23/75	23°46'N 84°25'W	65			
11/23/75	24°10'N 83°52'W	66			
11/24/75	24°32'N 83°30'W	67	000657 000652 000659 000661 000651 000653	12/09/75 12/11/75 01/06/76 12/24/75 12/26/75 05/25/76	Key Biscayne, FL Ft. Lauderdale, FL Hollywood, FL Ft. Lauderdale, FL Ft. Lauderdale, FL Coral Gables, FL

Table 2. (Continued)

Launch Date	Launch Position	Batch No.	Drifter No.	Recovery Date	Recovery Position
11/24/75	23°22'N 82°28'W	68			
11/24/75	23°34'N 82°17'W	69			
11/24/75	23°48'N 82°10'W	70			
11/24/75	23°57'N 82°05'W	71			
11/25/75	24°12'N 81°59'W	72	000797	12/07/75	Matecumbe Key, Florida Keys
			000794	12/18/75	Rattlesnake Key, east of Key Largo, FL
			000789	12/24/75	Julia Island, Key Largo, FL
			000781	01/05/76	Long Key, FL
			000783	02/08/76	Long Key Island, FL
			000795	04/13/76	Lignum Vitae, Key, FL
			000782	10/29/76	Key Largo, FL
			000780	11/22/76	Long Key, FL

Table 3. Summary of information regarding drifters found and reported which were launched from the R/V GYRE, Cruise 75-G-15, 4 November 1975: 25 drifters launched in each batch.

Launch Date	Launch Position	Batch No.	Drifter No.	Recovery Date	Recovery Position
11/04/75	27°06'N 94°45'W	086	001140	05/30/76	Smith Bayou, Cameron Parrish, LA
			001145	06/27/76	Matagorda Island, TX
			001134	09/25/76	Cameron, LA
			001127	05/08/77	St. Joseph Island, TX
			001146	02/05/76	Gunbarrel City, TX
11/04/75	27°58'N 94°31'W	087	001154	03/10/76	Rollover Pass, Gilchrist, TX
			001168	04/19/76	20 mi. N. of Mansfield Pass, TX
			001175	04/25/76	Mustang Island, Aransas Pass, TX
			001167	04/19/76	2 mi. S. of Mansfield Cut, Padre Isl., TX
			001161	06/21/76	Matagorda Island, TX
			001153	05/31/76	Matagorda Island, TX
			001170	08/15/76	10 mi. W. of Colo. Rv., Matagorda, TX
			001155	12/09/76	South Padre Island, TX
			001156	04/10/77	S. of Big Pine Island Key, FL.

Table 4. Summary of information regarding drifters found and reported which were launched from the R/V GYRE, Cruise 75-G-16, 12 - 17 November 1975: 25 drifters launched in each batch.

11/12/75	23°45'N 92°28'W	088	001194 001178 001176 001189 001188	07/13/76 06/27/76 08/10/76 07/01/76 06/27/76	10 mi. W. of Sabine Pass, TX Matagorda Island, TX Galveston, TX North Pass, Rockport, TX Palacious, TX
11/13/75	24°45'N 91°33'W	089	001214 001217	04/17/76 06/06/76	South Padre Island, TX S.W. end of Matagorda Island, TX
11/14/75	25°17'N 89°16'W	090	001230 001247 001240 001234 001238	03/24/76 04/15/76 02/13/76 07/10/76 03/12/77	South Padre Island, TX Ocean side of Elliott Key, FL Ocean Ridge, FL 12 mi. E. of Colorado River, Matagorda, TX Port O'Connor, TX
11/14/75	25°22'N 87°54'W	091	001269 001266 001260	01/11/76 01/25/76 02/15/76	Deerfield Beach, FL Pampano Beach, FL Jupiter Beach, FL
11/15/75	25°24'N 86°07'W	092	001281 001283 001297 001286 001278 001292 001287 001282 001288	05/05/76 04/20/76 06/19/76 06/25/76 07/06/76 06/18/76 07/04/76 06/30/76 12/26/76	Chandeleur Islands, New Orleans, LA 22 mi. S. Maliquite Beach, Padre Island, TX Santa Rosa Beach, Destin, FL Pensacola, FL Pensacola, FL Long Key, FL 9 mi. NE of Colorado River, Matagorda, TX Horne Island, Mississippi Sound, MI Malaquite Beach, Padre Island, TX
11/15/75	26°26'N 86°52'W	093	001303	03/31/76	Bahia Honda State Park, FL
11/15/75	27°27'N 87°35'W	094	001339 001331	02/01/76 07/05/76	Hollywood, FL Ft. Walton Beach, Pensacola, FL

Table 4. (Continued)

Launch Date	Launch Position	Batch No.	Drifter No.	Recovery Date	Recovery Position
11/16/75	28°30'N 88°21'W	095	001362 001354 001363 001352 001371 001351 001372	03/09/76 02/26/76 03/28/76 04/02/76 04/17/76 06/06/76 08/23/76	Pirates Beach, Galveston, TX Carndon Park, Key Biscayne, FL West Beach, Galveston, TX 15 mi. E. of Cameron, LA Elmer's Island, Grand Isle, LA Matagorda Island, TX Port Aransas, TX
11/17/75	28°59'N 89°07'W	096	001376 001380 001400 001388 001377 001391 001379 001387 001375 001392	11/29/75 02/15/76 03/01/76 03/27/76 04/04/76 03/28/76 05/01/76 05/15/76 08/14/76 09/24/76	Between Leesville and Grand Isle, LA Galveston, TX Gilchrist Beach, TX Matagorda Island, TX Lost Island, LA Grand Isle, LA Gilchrist, TX 15 mi. S. on Matagorda Beach, TX Sea Rim Park, Port Arthur, TX Sargent Beach, TX
11/17/75	28°52'N 89°27'W	097	001405 001414 001416 001402 001420	03/04/76 03/21/76 05/01/76 04/24/76 02/20/77	5 mi. E. on Sargent Beach, Sweeny, TX 12 mi. N. of Mansfield Channel, Padre Island, TX 3 mi. W. of Bernard River, TX Port O'Conner, TX Port O'Conner, TX

Table 5. Summary of information regarding drifters found and reported which were launched from the R/V GYRE, Cruise 75-G-17, 24-25 November: 25 drifters launched in each batch.

11/24/75	26°32'N 94°36'W	098	001431 001433 001449 001445 001434 001426 001432	03/29/76 05/04/76 04/24/76 06/21/76 06/17/76 08/05/76 03/03/78	S. Malaquite, S. Padre Island, TX Matagorda, TX S. Malaquite Beach, Padre Island, TX Matagorda Island, TX North Pass, Rockport, TX Rutherford - Cammeron, LA Malaquite Beach, Corpus Christi, TX
11/25/75	27°36'N 94°34'W	099	001451 001465 001455 001469 001473 001472 001460	02/29/76 03/02/76 04/25/76 04/30/76 04/22/76 05/15/76 12/28/76	San Luis Pass Bridge, San Luis Pass, TX Malaquite Beach, S. Padre Island, TX Matagorda Penn. Port O'Connor, TX Gulf side of Ship Island, MS. Mansfield Cut, South Padre Island, TX Galveston Beach, TX Portland, TX

Table 6. Summary of information regarding drifters found and reported which were launched from the CIRCE, 20-26 December 1975: 25 drifters launched in each batch.

Launch Date	Launch Position	Batch No.	Drifter No.	Recovery Date	Recovery Position
12/20/75	21°13'N 74°10'W	100			
12/20/75	21°06'N 74°07'W	101	001508	01/23/76	Duncan Town, Ragged Island, Bahamas
12/20/75	20°55'N 74°03'W	102	001535	02/08/76	Manati, Orunte, Cuba
12/20/75	20°40'N 74°03'W	103			
12/20/75	20°32'N 74°00'W	104			
12/20/75	20°25'N 73°57'W	105	001620	12/11/76	Grand Island, LA
12/20/75	20°20'N 73°55'W	106	001631 001637	02/09/76 03/08/76	Cayman Brac, Cayman Islands, British West Indies East tip of Grand Cayman
12/20/75	20°15'N 74°11'W	107	001674 001655	05/14/76 05/29/76	South shore Little Cayman Island Lower Matecumbe Key, FL
12/20/75	20°11'N 73°52'W	108	001676	08/28/76	Cocoa Beach, FL
12/20/75	19°55'N 74°05'W	109	001724 001710 001708 001711	04/14/76 08/08/76 08/12/76 08/13/76	Cancun Island, Mexico 80°03'N 25°04'W Miami Beach, FL North Coast Grand Cayman Island
12/21/75	19°45'N 74°11'W	110			
12/21/75	19°36'N 74°15'W	111	001761 001775	07/10/76 10/23/76	Matagorda Peninsula, TX Vero Beach, FL

Table 6. (Continued)

Launch Date	Launch Position	Batch No.	Drifter No.	Recovery Date	Recovery Position
12/21/75	19°25'N 74°24'W	112	001783 001793 001787	07/23/76 09/12/76 06/16/76	Delray Beach, FL Holly Beach, LA Boca Raton, FL
12/21/75	19°24'N 74°33'W	113			
12/21/75	19°23'N 74°44'W	114	001826 001831 001846 001841	05/01/76 05/17/76 05/25/76 09/09/76	Tchiti Motel Beach, Miami Beach, FL Cayman Brac, Cayman Islands, British West Indies Key West, FL Hollywood, FL
12/21/75	19°22'N 74°51'W	115	001867 001875 001855	06/19/76 08/03/76 04/13/78	Marathon, FL Manasota Key, Englewood, FL Diego Perez Key, S Coast Cuba
12/21/75	19°20'N 75°11'W	116	001899 001896 001889 001895	04/17/76 05/24/76 08/19/77 03/16/78	Juno Beach, FL Boat Key, FL Deerfield Beach, FL Belize, C.A.
12/21/75	19°18'N 75°20'W	117	001923 001925	02/09/76 02/18/76	North Sound, Grand Cayman, British West Indies Spot Bay, Cayman Brack, Cayman Islands,
			001902 001917	05/09/76 11/24/78	British West Indies Lost Island, LA Cozumel Island, Mexico
12/21/75	19°12'N 75°17'W	118	001940	03/24/76	Boynton Beach, FL
12/21/75	19°06'N 75°28'W	119	001954	03/23/76	Tulum, Quintana Roo, Mexico
12/24/75	17°30'N 76°20'W	120			

Table 6. (Continued)

Launch Date	Launch Position	Batch No.	Drifter No.	Recovery Date	Recovery Position
12/24/75	16°55'N 76°38'W	121	002002	03/20/76	Ambergris Caye, Belize
12/24/75	15°57'N 77°03'W	122	002041	02/23/76	Kayman Kai, Grand Cayman Island, British West Indies
			002045	02/28/76	Punto Bravo, Quintana Roo, Mexico
			002035	04/17/76	Miami Beach, FL
			002039	05/05/76	Stan Creek, Belize
12/24/75	15°30'N 77°00'W	123			
12/25/75	15°00'N 76°50'W	124	002098 002095	07/01/76 04/15/76	Vero Beach, FL Miami Beach, FL
12/25/75	14°00'N 78°00'W	125	002115 002108	02/24/76 06/08/77	Delray Beach, FL Matamoros, Tamp, Mexico
12/25/75	13°03'N 78°18'W	126	002135 002127	01/29/76 03/06/76	Puerto Morelas, Quintana Roo, Mexico Cabanass, Cuba
12/26/75	12°40'N 78°55'W	127	002156 002158 002172 002166 002175 002162	01/23/76 01/23/76 01/23/76 02/02/76 02/02/76 05/12/76	Bluefields, Nicaragua Bluefields, Nicaragua Bluefields, Nicaragua Tasbanouni, Nicaragua Tasbanouni, Nicaragua Net Point, Nicaragua
12/26/75	11°42'N 79°19'W	128	002177	05/26/76	Rio Grande Bar, Nicaragua
12/26/75	11°10'N 79°19'W	129			

Table 7. Summary of information regarding drifters found and reported which were launched from the R/V RESEARCHER, 12 - 16 February 1976: 25 drifters launched in each batch.

Launch Date	Launch Position	Batch No.	Drifter No.	Recovery Date	Recovery Position
02/14/76	27°09'N 86°47'W	73	000820 000823 000813	06/17/76 06/14/76 09/01/76	Vero Beach, FL Ft. Lauderdale, FL Lower Matecumbe Key, FL
02/15/76	27°22'N 85°46'W	74	000837 000839 000829 000846 000830 000847	03/08/76 03/12/76 03/02/76 03/08/76 05/15/76 05/02/76	Virginia Key, FL Key West, FL Key Biscayne, FL Big Pine Key, Zone E, FL Marathon, FL Old Rhodes Key, Homstead, FL
02/15/76	27°40'N 84°38'W	75	000851 000865 000860 000862 000874 000856 000858	04/14/76 04/20/76 04/18/76 04/26/76 08/30/76 12/23/77 03/10/78	Vero Beach, FL Tonk Key, Key West, FL Melbourne Beach, FL Plantation Key, FL Marathon, FL Grassy Key, FL Marathon, FL
02/16/76	26°34'N 84°29'W	76	000883 000900 000879 000889 000892 000876 000886 000893	03/30/76 05/07/76 06/15/76 01/20/77 04/17/77 06/14/77 07/06/77 08/21/77	Big Pine Key, FL Virginia Key, FL Ft. Lauderdale, FL Palm Beach, FL Key Largo, FL Matamoras, Mexico Elliot Key, FL (25°28'N 80°11'W) Sugarloaf Key, FL
02/16/76	26°20'N 85°16'W	77	000905 000925 000901 000923 000919	03/05/76 03/12/76 03/12/76 03/12/76 04/22/76	Dania Beach FL Palm Beach, FL Hutchinson Island, FL Dania Beach, FL Ft. Pierce, FL

Table 7. (Continued)

Launch Date	Launch Position	Batch No.	Drifter No.	Recovery Date	Recovery Position
02/16/76	26°10'N 86°11'W	78	000907	09/16/76	Key Largo, FL
			000933	03/03/76	Crandon Park Beach, Key Biscayne, FL
			000932	03/07/76	South Shore, Key West, FL
			000949	03/06/76	Ft. Pierce, FL
			000928	03/25/76	Bahia Honda State Park, FL
			000943	05/29/76	Lower Matecumbe Keys, FL
			000947	08/21/77	Sugarloaf Key, FL
02/12/76	21°55'N 85°12'W	79	000972	06/29/76	Hollywood, FL
			000963	02/02/77	Elliotts Key, FL
02/12/76	21°41'N 85°47'W	80	000980	04/16/76	Vero Beach, FL
			000979	05/20/76	Marathon, FL
02/12/76	21°43'N 85°55'W	81	001014	03/25/76	Marquesas Island, FL
02/12/76	21°40'N 86°04'W	82	001046	03/24/76	West Palm Beach, FL
			001043	04/25/76	Long Key, FL
			001026	05/21/76	Biscayne Bay, Coral Gables, FL
02/13/76	21°33'N 86°16'W	83	001053	02/26/76	Miami Beach, FL
			001068	02/26/76	Dania, FL
			001061	02/09/76	Elliot Key, Biscayne Nat. Mon., FL
			001071	03/12/76	Crandon Park, Key Biscayne, FL
			001060	02/21/76	Biscayne Bay, FL (80°17'N 25°37'W)
			001050	03/26/76	Palm Beach, FL
			001063	04/08/76	Cocoa Beach, FL
			001075	03/28/76	Elliot Key, FL
			001051	09/04/76	Elliot Key, FL
			001065	03/21/76	Biscayne Bay, FL, 80°17'N 25°37'W

Table 8. Summary of information regarding drifters found and reported which were launched from the USCGS ACUSHNET, 18 February - 18 March 1976: 25 drifters launched in batches 181-203; 15 drifters launched in batch 204.

Launch Date	Launch Position	Batch No.	Drifter No.	Recovery Date	Recovery Position
02/18/76	29°22'N 87°01'W	181	003515	06/20/76	Miami Beach, FL
			003514	06/19/76	Gilchrist, TX
			003517	10/12/76	Boynton, Beach, FL
			003520	06/25/76	Holly Beach, LA
02/19/76	29°23'N 87°02'W	182	003530	07/03/76	San Luis Pass, TX
			003542	06/05/76	Summerland Key, FL
02/19/76	28°54'N 85°56'W	183	003552	04/04/76	N. of Marathon, FL
			003572	04/20/76	Ormond Beach FL.
			003568	04/17/76	Tavernier, FL
			003566	04/27/76	Del Ray Beach, FL
			003569	06/05/76	Key West, FL
			003553	05/02/76	Old Rhodes Key, Homestead, FL
			003562	10/12/76	Lake Worth, FL
02/20/76	29°03'N 84°35'W	184	003576	04/03/76	Marathon, FL
			003585	04/10/76	Key West Island, FL
			003580	05/01/76	Bahia Honda Key, FL
			003588	06/18/76	Long Key, FL
02/21/76	27°44'N 85°45'W	185	003618	04/22/76	Key West, FL
			003617	07/04/76	Mexico Beach, FL
			003622	12/24/76	Ocean Ridge, FL
			003614	10/28/78	N. Delray Beach, FL
02/21/76	27°44'N 84°25'W	186	003630	05/01/76	Dania, FL
			003640	05/23/76	Biscayne Bay, FL
			003637	09/09/76	Munson Is., Little Torch Key, FL
			003639	10/16/76	Boco Chica Key, FL
02/26/76	26°27'N 85°13'W	187	003672	03/09/76	Key West, FL
			003669	03/10/76	Key West, FL
			003661	04/28/76	Virginia Key, FL

Table 8. (Continued)

Launch Date	Launch Position	Batch No.	Drifter No.	Recovery Date	Recovery Position
02/27/76	25°52'N 83°44'W	187	003664	08/22/76	Key West, FL
			003665	10/09/76	Key Largo, FL
			003655	11/27/76	Key Largo, FL
			003670	08/15/77	Key Largo, FL
02/27/76	25°52'N 83°44'W	188	003679	03/30/76	Surfside, FL
			003691	03/24/76	Key West, FL
			003682	06/18/76	Long Key, FL
			003698	06/16/76	Long Key, FL
			003688	11/28/76	Miami, FL
			003695	08/05/77	Sugarloaf Key, FL
02/28/76	25°01'N 82°55'W	189	003717	04/18/76	Cape Canaveral/Cocoa Beach, FL
			003708	04/22/76	Titusville, FL
			003711	04/24/76	Riviera Beach, FL
			003725	04/20/76	N. Ormand Beach, FL
			003723	09/21/77	Long Key, FL
02/29/76	24°47'N 84°40'W	190	003748	03/11/76	Little Torch Key, FL
			003736	03/11/76	Key West, FL
			003746	03/09/76	Boca Chica Beach, Key West, FL
			003738	03/15/76	Atlantic Beach, Key West, FL
			003750	03/21/76	Sutherland Key, N. of Key West, FL
			003744	04/17/76	Key West, FL
			003730	05/10/76	Sugarloaf Key, FL
			003728	07/26/76	St. Lucie Inlet, Jupiter Island, FL
02/29/76	25°33'N 87°37'W	191	003761	06/20/76	Del Ray Beach, FL
			003752	06/27/76	Islamorada, FL
			003775	06/17/76	Bahia Honda Key, FL
			003763	08/18/76	Miami, FL
			003768	08/27/76	Ft. Lauderdale, FL
			003764	06/30/76	Key Largo, FL

Table 8. (Continued)

Launch Date	Launch Position	Batch No.	Drifter No.	Recovery Date	Recovery Position
03/01/76	26°10'N 90°05'W	192	003795 003792 003800 003787 003781 003796	06/25/76 08/22/76 09/14/76 10/21/76 11/20/76 05/16/77	Sargent Beach, W. San Bernard Riv., TX San Luis Pass/Freeport, TX E. Beach, St. Simons Island, GA N. Malaquite Beach, Padre Island, TX Melbourne Beach, FL Sugarloaf Key, FL
03/02/76	25°10'N 92°26'W	193	003802 003823 003807	08/31/76 10/13/76 01/28/77	Cameron, LA Lower Metecumbe Key, FL Sugarloaf Key, FL
03/02/76	24°30'N 92°00'W	194	003847 003842 003830 003827	06/26/76 06/25/76 07/16/76 08/19/76	San Luis Pass, TX Galveston Island, TX 23 m east of Galveston, TX Hobe Sound Beach, FL (27°06'N 80°06'W)
03/03/76	25°19'N 95°31'W	195	003872 003887 003852 003854 003859 003851 003853	03/28/76 03/26/76 04/13/76 05/09/76 05/30/76 11/07/76 05/02/77	S. Padre Island, TX Padre Island, TX S. Padre Island, Mansfield Jetties, TX Pt. Mansfield Channel, Padre Island, TX Malaquite Beach, Padre Island, TX Malaquite Beach, Padre Island, TX Port O'Conner, TX
03/06/76	26°51'N 95°57'W	196	003882 003894 003888 003898 003877 003896 003886 003890 003895	04/08/76 04/19/76 04/26/76 04/13/76 06/03/76 05/19/76 07/28/76 04/01/76 06/08/76	S. Padre Island, Brownsville, TX Mustang Island, TX Corpus Christi, TX N. of Murdock Pass, Padre Island, TX N. of Pt. Mansfield, Padre Island, TX S. of Nicaragua Nat. Seashore, TX Pt. Mansfield, Padre Island, TX N. of Brownsville, TX S. Padre Island, TX

Table 8. (Continued)

Launch Date	Launch Position	Batch No.	Drifter No.	Recovery Date	Recovery Position
03/08/76	27°56'N 95°05'W	197	003912	05/01/76	S. Malaquite Beach, Padre Island, TX
			003911	05/10/76	North Padre Island, TX
			003910	04/30/76	Port Aransas, TX
			003914	06/21/76	Matagorda Island, TX
			003904	06/26/76	Matagorda Island, TX
			003903	07/16/76	San Bernard River Mouth, Gulf, TX
			003916	08/12/76	North Pass, Rockport, TX
			003921	01/10/78	Robstown, TX
03/09/76	27°05'N 94°04'W	198	003949	10/01/76	Port O'Conner, TX
			003937	11/21/76	Padre Island, Corpus Christi, TX
			003938	12/15/76	Port O'Conner, Matagorda Penn., TX
03/13/76	28°05'N 93°04'W	199	003951	04/18/76	Mustang Island, TX 97°08'N 27°44'W
			003952	"	" " " "
			003960	"	" " " "
			003970	"	" " " "
			003974	"	" " " "
			003967	04/18/76	Port Aransas, TX
			003954	05/31/76	Sargent Beach, TX
			003958	06/05/76	Matagorda Island, TX
			003957	07/22/76	Matagorda Island, TX
03/14/76	27°20'N 92°01'W	200	003983	05/04/76	Matagorda Island, TX
			003986	05/23/76	Padre Island, Nat. Seashore, TX
			003990	05/27/76	Matagorda Beach, TX
			003994	06/07/76	Mustang Island, TX
			003992	06/08/76	St. Joseph Island, Port Aransas, TX
			003981	06/21/76	Matagorda Island, TX
			003982	06/21/76	Matagorda Island, TX
			003991	06/27/76	Matagorda Island, TX
			003979	07/22/76	Matagorda Island, TX

Table 8. (Continued)

Launch Date	Launch Position	Batch No.	Drifter No.	Recovery Date	Recovery Position
03/15/76	28°02'N 90°53'W	200	003988	02/28/77	Matagorda Island, TX
			005005	04/16/76	Sargent Beach, TX
			005016	05/05/76	N.E. Port O'Connor Jetties, TX
			005012	04/29/76	Port Bolivar, Galveston, TX
			005018	05/05/76	Port Aransas, TX
		201	005017	05/10/76	High Island, TX
			005023	05/15/76	1 m east of Sargent, TX
			005021	05/16/76	W. of Colo. River mouth, Matagorda, TX
			005022	08/15/76	Matagorda, TX
			005010	10/31/76	High Island, TX
03/15/76	27°29'N 90°56'W	202	005020	11/11/76	San Bernard River, Brown Cedar Cut, TX
			005029	05/16/76	Elmer's Island, Grand Isle, LA
			005049	06/20/76	High Island, TX
			005046	06/15/76	10 m SW of Sabine Pass, TX
		203	005036	06/12/76	Matagorda Island, TX
			005043	12/18/76	Cedar Bayou, Rockport, TX
			005054	06/04/76	Panama City, FL
			005072	08/07/76	Ft. Walton Beach, FL
			005052	06/30/76	W. Pensacola, FL
			005056	09/04/76	10 m S. of Biloxi, MS
03/17/76	28°03'N 88°43'W	203	005058	09/06/76	E. Ship Island, Biloxi, MS
			005081	09/25/76	Highland Beach, FL
			005076	10/05/76	Indian River Shores, FL
			005065	09/12/76	Pensacola, FL
			005063	10/24/76	Pompano Beach, FL
		204	005080	06/19/76	Dauphin Island, AL
			005087	06/24/76	Grand Island, LA
			005090	06/23/76	Santa Rosa Beach, Pensacola, FL

Table 9. Summary of information regarding drifters found and reported which were launched from the R/V GYRE, Cruise 76-G-2, 26 Feb.-1 Mar. 1976: 25 drifters launched in each batch.

Launch Date	Launch Position	Batch No.	Drifter No.	Recovery Date	Recovery Position
02/25/76	27°08'N 87°28'W	205	005125 005122	06/24/76 07/13/76	Cameron, LA High Island, TX
02/25/76	26°06'N 86°38'W	206	005143 005144 005127 005146	03/22/76 06/27/76 10/25/76 09/ /76	Key Largo, FL Key Largo, FL Elliott's Key, FL Homestead, FL
02/26/76	25°53'N 86°33'W	207	005163 005151 005156 005160 005169 005171 005154 005162	04/25/76 05/01/76 06/10/76 06/15/76 06/16/76 06/08/76 06/27/76 11/07/76	Key West, FL Key West, FL Sugarloaf Key, FL Jupiter Island, Hobe Sound, FL Palm Beach, FL Plantation Key, FL Key Largo, FL Islamorda, FL
02/26/76	25°36'N 88°27'W	208	005193 005178 005194 005195	06/26/76 09/19/76 01/23/77 06/ /76	Sabine Pass, TX Matagorda Peninsula, TX High Island, TX Freeport, TX
02/27/76	25°30'N 89°36'W	209	005213 005206 005205 005211	07/21/76 09/19/76 09/10/76 07/13/76	Hillsboro Beach, FL McFaddin Beach, Highland, TX High Island, TX Matagorda Bay, TX
02/27/76	25°25'N 90°24'W	210	005243 005246 005238 005235	03/22/77 04/25/76 08/21/76 09/01/76	Mexican Jetties, Brownsville, TX Emerald Beach II, TX Galveston Island, TX Freeport, TX

Table 9. (Continued)

Launch Date	Launch Position	Batch No.	Drifter No.	Recovery Date	Recovery Position
02/27/76	25°19'N 91°24'W	211	005270	04/30/76	Port Aransas, TX
			005261	05/20/76	Port Aransas, TX
			005251	05/27/76	Malaquite Beach, Padre Island, TX
			005267	05/28/76	Sargent Beach, TX
			005284	06/04/76	St. Joe Island, Port Aransas, TX
			005266	06/21/76	Matagorda Island, TX
			005269	05/07/76	Matagorda Island, TX
			005256	05/02/76	Mustang Island, TX
02/28/76	25°31'N 92°15'W	212	005285	04/29/76	Bolivar Peninsula, TX
			005292	05/09/76	Matagorda Peninsula, TX
			005287	06/05/76	N. Port Aransas Inlet, TX
			005297	06/11/76	Corpus Christi, TX
			005283	07/15/76	Matamoros, Mexico
			005274	09/06/76	Port O'Conner, TX
			005280	09/25/76	Mouth of Colorado River, TX
			005299	10/19/76	Flager, New Symrna Beach, FL
02/28/76	26°00'N 92°55'W	213	005324	05/01/76	Malaquite Beach, Padre Island, TX
			005306	05/22/76	Kansas City, MO
			005312	07/05/76	Matagorda Island, TX
			005318	07/11/76	Matagorda Penn. TX
			005309	06/13/76	Matagorda Island, TX
			005325	06/20/76	Matagorda Island, TX
			005301	07/11/76	Matagorda Island, TX
			005313	08/06/76	Matagorda Island, TX
			005302	05/04/76	Mustang Island, TX
02/28/76	26°30'N 93°40'W	214	005348	04/19/76	Padre Island, TX
			005335	06/21/76	Matagorda Island, TX
			005344	06/27/76	Matagorda Island, TX
			005346	07/03/76	Matagorda Island, TX
			005329	07/24/76	San Luis Pass, Galveston, TX

Table 9. (Continued)

Launch Date	Launch Position	Batch No.	Drifter No.	Recovery Date	Recovery Position
02/28/76	26°56'N 94°13'W	215	005332	07/23/76	South Padre Island, TX
			005334	11/23/76	N. Padre Island Post Office, TX
			005338	12/15/76	Port O'Conner, TX
			005365	05/11/76	Malaquite Beach, Padre Island, TX
03/01/76	27°12'N 94°24'W	216	005369	06/13/76	Sabine Pass, TX
			005355	06/11/76	Padre Island TX
			005360	06/19/76	Matagorda Island, TX
			005384	04/29/76	Port Aransas, TX
03/01/76	27°52'N 94°31'W	217	005376	06/21/76	Matagorda Island, TX
			005387	07/17/76	Matagorda Island, TX
			005394	07/14/76	San Luis Pass, Galveston, TX
			005395	11/23/77	Padre Island Nat'l. Seashore, TX
03/01/76	27°52'N 94°31'W	217	005414	03/31/76	Padre Island, TX
			005411	03/28/76	Mustang Island, Port Aransas, TX
			005425	04/23/76	Padre Island, TX
			005416	05/08/76	Padre Island Nat'l. Seashore, TX
			005406	04/08/76	Murdock Pass, Padre Island, TX
			005408	04/08/76	Murdock Pass, Padre Island, TX
			005424	04/12/76	Malaquite Beach, Padre Island, TX
			005414	03/31/76	Malaquite Beach, Padre Island, TX
			005401	08/03/76	South Padre Island, TX
			005409	11/23/77	Padre Island Nat'l. Seashore, TX

Table 10. Summary of information regarding drifters found and reported which were launched from the R/V GYRE, Cruise 76-G-3, 16-30 March 1976: 20 drifters launched in each batch.

Launch Date	Launch Position	Batch No.	Drifter No.	Recovery Date	Recovery Position
03/16/76	24°55'N 91°54'W	223	005554 005547 005557	06/17/76 06/22/76 09/13/76	Galveston Island, TX Big Pine Key, FL Galveston, TX
03/16/76	24°55'N 91°54'W	224	005562 005573 005568	06/29/76 06/29/76 06/24/76	Freeport TX Freeport, TX Holly Beach, LA
03/16/76	24°31'N 91°05'W	225	005599 005587	06/27/76 06/23/76	Matagorda Bay, TX Long Key, FL
03/16/76	24°31'N 91°05'W	226	005609 005614 005615 005619 005611 005607 005605 005612	07/07/76 07/08/76 08/08/76 08/13/76 09/01/76 09/04/76 11/27/76 07/15/77	Port O'Connor, TX Crystal Beach, TX Elliot Key, FL Pompano Beach, FL Marathon, FL Vero Beach, FL Key Largo, FL Cudjo Key, FL
03/17/76	24°08'N 90°00'W	227	005632 005627 005639 005640	07/18/76 09/22/76 10/20/76 02/27/77	Gilchrist, TX Delray Beach, FL St. Augustine, FL Aransas Pass, TX
03/17/76	23°48'N 89°13'W	228	005659 005654 005656 005660	07/08/76 09/05/76 10/20/76 02/25/77	Galveston, TX Sugarloaf Key, FL Sugarloaf Key, FL North Key Largo, FL
03/18/76	23°31'N 88°28'W	229	005676	11/07/76	North of Jupiter Inlet, FL

Table 10. (Continued)

Launch Date	Launch Position	Batch No.	Drifter No.	Recovery Date	Recovery Position
03/18/76	23°14'N 87°54'W	230	005692 005691 005683	06/18/76 07/29/76 07/22/77	Titusville, FL Summerland Key, FL Matcumbe Bay, FL
03/18/76	22°38'N 87°03'W	231	005708	09/23/76	Palm Beach, FL
03/18/76	22°13'N 86°23'W	232	005740 005725	06/27/76 08/12/76	Key Largo, FL Treasure Island, FL
03/19/76	21°44'N 85°38'S	233	005758 005751 005746 005753	05/12/76 07/01/76 06/25/76 10/07/76	Big Pine Key, FL Hollywood Beach, FL Palm Beach, FL Indiatlantic, FL
03/19/76	21°15'N 84°54'W	234	005779 005778	05/24/76 06/07/76	Lower Metecumbe Key, FL Key Biscayne, FL
03/19/76	20°56'N 83°59'W	235	005783 005790	04/22/76 04/27/76	Deerfield Beach, FL N. Key Largo, FL
03/19/76	20°40'N 83°20'W	236	005831	04/18/76	Coral Gables, FL
03/20/76	19°54'N 82°59'W	237	005853 005849	08/25/76 02/28/78	Palm Beach, FL Tavernier, FL
03/21/76	19°27'N 82°14'W	238	005864 005867 005862 005870	04/11/76 07/04/76 07/15/76 12/20/77	Northeast side of Grand Cayman Island Sugarloaf Key, FL Toruga, N.E. coast of Grand Cayman Island 21°30'N - 82°24.7'W.

Table 10. (Continued)

Launch Date	Launch Position	Batch No.	Drifter No.	Recovery Date	Recovery Position
03/21/76	18°52'N 81°39'W	239	005896 005884	04/03/76 05/01/78	Grand Cayman, British West Indies Big Mangrove Key, Monroe County, FL
03/21/76	18°11'N 81°04'W	240	005903 005914 005911	06/14/76 06/18/76 08/28/76	Fort Lauderdale, FL Miami, FL Hollywood, FL
03/21/76	17°40'N 80°19'W	241			
03/21/76	17°08'N 79°42'W	242	005956	12/11/77	Delray Beach, FL
03/22/76	16°31'N 78°57'W	243			
03/23/76	16°10'N 78°22'W	244	005985 005998 005987	06/14/76 08/12/77 03/30/77	Miami Beach, FL Beach of Hopkins CB, Belize, Central America Malaquite Beach, Padre Island, TX
03/23/76	15°49'N 77°38'W	245			
03/23/76	15°27'N 76°58'W	246			
03/23/76	15°06'N 76°20'W	247	006043 006053 006048 006058 006051	06/16/76 07/15/76 10/12/76 12/31/77 06/07/78	Highland Beach, Florida; S. of Delray Beach Key Largo, FL Tulum, Quintano Roa, Mexico Cozumel, Mexico Cozumel, Mexico
03/24/76	15°07'N 75°25'W	248	006066 006071 006070	06/04/76 07/18/76 10/21/76	Key West, FL Northeast coast of Cozumel, Mexico Near Palm Bay, Florida at Cabana Beach

Table 10. (Continued)

Launch Date	Launch Position	Batch No.	Drifter No.	Recovery Date	Recovery Position
03/24/76	15°03'N 74°37'W	249	006099	05/10/76	Punta Bete, Quintino Roa, Mexico
03/25/76	14°57'N 72°55'W	250	006114	06/15/76	Rio Tortuguero, on Caribbean coast of Costa Rica
03/25/76	14°56'N 73°13'W	251	006126 006139	06/16/76 11/14/77	Lake Worth, FL Dear Key, FL
03/25/76	14°52'N 71°27'W	252			
03/25/76	14°48'N 70°43'W	253	006172	10/01/78	27 mi, down Padre Island from Bob Hall Pier
03/26/76	14°44'N 69°53'W	254	006194	08/15/76	Boca Chica Naval Air Sta., Key West. FL
03/26/76	14°43'N 69°08'W	255			
03/27/76	14°38'N 66°36'W	256			
03/27/76	14°37'N 67°40'W	257	006252	05/26/76	Island of Hispanola, Puerto Rico
03/27/76	14°37'N 67°50'W	258	006278	07/13/76	South coast of Little Cayman Island
03/29/76	15°14'N 65°36'W	259			
03/29/76	16°26'N 65°37'W	260			
03/30/76	17°19'N 65°15'W	261	006330	08/13/77	Mona Island--W.S. side of Puerto Rico

Table 11. Summary of information regarding drifters found and reported which were launched from the R/V GYRE, Cruise 76-G-7 II, 26 July - 4 August 1976: 20 drifters launched in each batch.

Launch Date	Launch Position	Batch No.	Drifter No.	Recovery Date	Recovery Position
07/26/76	12°51'N 59°06'W	262	006352	08/15/76	Island St. Lucia, West Indies
07/26/76	13°09'N 60°10'W	263			
07/26/76	13°27'N 61°02'W	264	006390	10/31/76	Key Largo, FL
07/26/76	13°40'N 61°51'W	265	006417	02/19/77	Pampano, FL
07/26/76	13°52'N 62°41'W	266			
07/26/76	14°04'N 63°31'W	267			
07/27/76	14°13'N 64°24'W	268			
07/27/76	14°32'N 65°08'W	269			
07/27/76	14°49'N 65°56'W	270			
07/27/76	15°02'N 66°46'W	271	006538	12/13/76	Highland Beach, FL
07/28/76	15°05'N 67°39'W	272	006556	12/15/76	Summerland Key, FL
07/28/76	15°09'N 68°30'W	273			
07/28/76	15°22'N 69°20'W	274	006600	05/17/77	Sargent Beach, TX
07/28/76	15°43'N 70°09'W	275			
07/28/76	16°00'N 70°58'W	276			

Table 11. (Continued)

Launch Date	Launch Position	Batch No.	Drifter No.	Recovery No.	Recovery Position
07/29/76	16°15'N 71°47'W	277			
07/29/76	16°22'N 72°38'W	278	006672 006663	10/20/76 10/26/76	Cayman Kai, Grand Cayman Island Havana, Cuba
07/29/76	16°32'N 73°32'W	279			
07/29/76	16°46'N 74°18'W	280	006719	11/15/77	Delray Beach, FL
07/29/76	17°02'N 75°07'W	281	006729	10/24/76	Cocoa Beach, FL
07/30/76	17°14'N 75°57'W	282			
07/30/76	17°24'N 76°49'W	283	006778	01/24/78	Palm Beach, FL
07/30/76	17°38'N 77°38'W	284	006790	12/23/76	Miami, FL
07/30/76	18°00'N 78°26'W	285			
07/30/76	18°19'N 79°14'W	286	006825 006832 006838	10/28/76 07/04/77 05/23/77	Palm Beach, FL Matamoros, Mexico Hollywood, FL
07/30/76	18°41'N 80°01'W	287	006855 006845	10/31/76 12/03/76	Cocoa Beach, FL Indiatlantic, FL
07/31/76	18°59'N 80°50'W	288	006877 006867 006879	12/11/76 01/11/77 09/01/77	Cocoa Beach, FL Tulum, Quintana Roo, Mexico Vero Beach, FL

Table 11. (Continued)

Launch Date	Launch Position	Batch No.	Drifter No.	Recovery Date	Recovery Position
07/31/76	19°14'N 81°40'W	289	006896 006882 006892 006888	09/14/76 10/23/76 01/30/77 02/03/77	Deerfield, FL Hobe Sound, FL Miami Beach, FL Havana, Cuba
07/31/76	19°32'N 82°36'W	290			
07/31/76	19°55'N 83°16'W	291	006925 006936 006931 006927	09/03/76 09/03/76 09/03/76 11/26/76	Spot Bay, Cayman Brac, British West Indies Spot Bay, Cayman Brac, British West Indies Little Cayman, British West Indies Spot Bay, Cayman Brac, British West Indies
07/31/76	20°19'N 83°59'W	292			
08/01/76	20°40'N 84°51'W	293	006964 006973	12/09/76 12/22/76	Hollywood, FL Jupiter, FL
08/01/76	21°05'N 85°37'W	294			
08/01/76	21°42'N 86°14'W	295			
08/01/76	22°07'N 86°43'W	296			
08/01/76	22°43'N 87°35'W	297			
08/02/76	23°19'N 88°13'W	298	007077	05/14/77	Padre Island, TX
08/02/76	23°55'N 88°51'W	299	007094	03/22/77	Mexican Jetties, Brownsfield, TX
08/02/76	24°29'N 89°30'W	300			

Table 11. (Continued)

Launch Date	Launch Position	Batch No.	Drifter No.	Recovery Date	Recovery Position
08/02/76	25°07'N 90°10'W	301	007128	07/09/77	Corpus Christi, TX
08/02/76	25°45'N 90°41'W	302			
08/03/76	26°22'N 91°24'W	303			
08/03/76	26°53'N 92°01'W	304	007195	12/20/76	Alacran MPI0, de Cardgnas, EDO de TAB, Mexico
08/03/76	27°32'N 92°46'W	305	007208 007207 007217	11/26/76 05/15/77 08/20/77	Vero Beach, FL Port Isabel, TX Padre Island, TX
08/03/76	28°07'N 93°19'W	306	007233 007232 007223 007231 007229 007235	09/25/76 09/19/76 12/15/76 05/07/77 05/13/77 06/01/77	Matagorda Beach, TX Sargent Beach, TX Port O'Conner, TX Bob Hall Pier, Corpus Christi, TX Estado, Tamaulipas, Mexico Corpus Christi, TX
08/03/76	28°41'N 93°59'W	307	007244 007253 007260 007251 007255	09/25/76 12/05/76 02/20/77 12/15/77 07/03/78	Mouth of Colorado River, TX Port Isabel, TX Port O'Conner, TX Matagorda Peninsula, TX Panama City Beach, FL
08/04/76	29°15'N 94°36'W	308	007261 007272 007275 007276	08/13/76 08/13/76 08/13/76 08/14/76	Gilchrist, TX Bolivar Peninsula, Galveston, TX Bolivar Peninsula, Galveston, TX Bolivar Peninsula, Galveston, TX

Table 11. (Continued)

Launch Date	Launch Position	Batch No.	Drifter No.	Recovery Date	Recovery Position
			007277	08/17/76	Gilchrist, TX
			007278	08/16/76	Gilchrist, TX
			007265	08/16/76	Gilchrist, TX
			007266	08/16/76	Bolivar Peninsula, Galveston, TX
			007262	08/14/76	Roll-Over Pass, Caplen, TX
			007279	09/09/76	Bolivar Peninsula, Galveston, TX
			007268	09/09/76	Bolivar Peninsula, Galveston, TX
			007273	08/18/76	Bolivar Peninsula, Galveston, TX
			007264	10/24/76	Galveston, TX
			007270	05/07/78	Port Bolivar, TX

Table 12. Summary of the information regarding drifters found and reported which were launched from the ERIN LEDDY-JONES, 5 August 1976: 20 drifters launched in each batch.

Launch Date	Launch Position	Batch No.	Drifter No.	Recovery Date	Recovery Position
08/05/76	19°30'N 95°26'W	320			
08/05/76	19°30'N 95°25'W	321			
08/05/76	19°30'N 95°24'W	322			
08/05/76	19°31'N 95°23'W	323			

Table 13. Summary of information regarding drifters found and reported which were launched from the R/V RESEARCHER, 20-24 August 1976: 20 drifters launched in each batch.

Launch Date	Launch Position	Batch No.	Drifter No.	Recovery Date	Recovery Position
08/20/76	23°47'N 86°06'W	335	007803 007807 007802	11/16/76 12/04/76 12/26/76	Jupiter Island, Hobe Sound, FL Stuart, FL Riviera Beach, FL
08/21/76	21°39'N 86°24'W	336	007820 007832	12/03/76 01/10/78	Satellite Beach, FL Robstown, TX
08/21/76	22°25'N 86°07'W	337	007841	05/27/78	Magellanes, Tabasco, Rep. Mexico
08/21/76	22°33'N 86°46'W	338	007877	05/16/77	Mustang Island, TX
08/21/76	23°19'N 86°10'W	339	007884	11/27/76	Delray Beach, FL
08/22/76	24°27'N 86°46'W	340	007910	09/18/76	Cape Canaveral, FL
08/22/76	24°25'N 87°57'W	341			
08/22/76	25°10'N 87°59'W	342	007947	05/15/77	Aransas Pass, TX
08/23/76	26°10'N 87°59'W	343	007970 007972	09/12/76 11/25/76	Tavernier, FL Jensen Beach, FL
08/23/76	27°04'N 87°02'W	344	007997 007995 007989 007984 007987 007983	10/24/76 11/07/76 11/07/76 11/27/76 12/17/77 04/17/77	Cocoa Beach, FL Titusville, FL Tequesta, FL Delray Beach, FL Cape Canaveral, FL Key Largo, FL

Table 13. (Continued)

Launch Date	Launch Position	Batch No.	Drifter No.	Recovery Date	Recovery Position
08/24/76	25°18'N 85°57'W	345	008012	10/30/76	Indiatlantic, FL
			008005	11/06/76	Ft. Pierce, FL
			008018	11/23/76	Jensen Beach, Ft. Pierce, FL
			008010	04/17/77	Bollivar Peninsula, Galveston, TX
			008002	04/16/77	S Padre Island, TX
			008015	06/16/77	Bob Hall Pier, Padre Island, TX
08/24/76	23°30'N 84°56'W	346			

Table 14. Summary of information regarding drifters found and reported which were launched from the R/V RESEARCHER, 8 October-13 November 1976: 20 drifters launched in each batch, except # 218, 219 and 220 which had 25 drifters.

Launch Date	Launch Position	Batch No.	Drifter No.	Recovery Date	Recovery Position
10/06/76	23° 33' N 84° 00' W	347	008042	03/11/77	Long Key, FL
10/08/76	26° 37' N 85° 52' W	348	008062 008073	03/04/77 05/16/77	Pompano Beach, FL Sargent Beach, TX
10/08/76	26° 57' N 84° 57' W	349	008094 008085 008097 008095 008088 008100 008093 008087 008091 008099	10/21/76 10/24/76 10/25/76 10/25/76 10/24/76 10/24/76 10/29/76 11/06/76 12/02/76 01/16/77	West Palm Beach, FL Vero Beach, FL Cape Canaveral, FL Vero Beach, FL Jupiter Island, FL Jupiter Island, FL Ft. Pierce, FL Melbourne Beach, FL Satellite Beach, FL Jupiter Inlet, FL
10/09/76	27° 30' N 84° 37' W	350	008108 008110 008111 008105 008113 008116 008109 008104	10/23/76 11/02/76 11/05/76 11/07/76 10/30/76 11/06/76 11/06/76 11/04/77	St. Lucie Inlet, FL Sabastian, FL Jupiter Inlet, FL Stuart Beach, FL Jupiter Island Beach, FL Stuart, FL Jupiter, FL Hobe Sound, FL
10/09/76	27° 59' N 85° 00' W	351	008121 008124 008122 008133 008138 008131	10/24/76 11/06/76 11/08/76 11/06/76 12/06/76 10/28/76	Pompano Beach, FL St. Lucie Inlet, FL Patrick AFB, FL Tequesta, FL Melbourne, FL Boynton Beach, FL

Table 14. (Continued)

Launch Date	Launch Position	Batch No.	Drifter No.	Recovery Date	Recovery Position
10/09/76	30°00'N 87°00'W	352	008142 008141 008143	01/13/77 04/05/77 02/15/77	Juno Beach, FL Boca Raton, FL Hobe Sound, FL
10/09/76	28°52'N 85°04'W	353	008171 008174 008161 008177 008173 008166 008176 008165 008162 008164	11/05/76 11/05/76 11/17/75 11/16/76 11/10/76 11/25/76 11/18/76 11/06/76 11/14/76 12/11/76	Jensen Beach, Hutchinson Island, FL Jensen Beach, FL Indiatlantic Beach, FL Stuart, FL Hutchinson Island, FL Stuart Beach, FL Satellite Beach, FL Tequesta, FL Ft. Pierce, FL Jensen Beach, FL
10/10/76	29°00'N 87°00'W	354	008197 008194	12/11/76 04/03/77	Ft. Lauderdale, FL Port Aransas, TX
10/10/76	28°00'N 87°01'W	218	005436 005447 005437 005444 005448 005449 005428 005431 005427 005432 005440	11/27/76 11/05/76 11/04/76 11/07/76 11/07/76 11/07/76 11/12/76 11/09/76 11/07/76 11/07/76 01/15/77	Pompano Beach, FL Palm Beach, FL Delray Beach, FL Delray Beach, FL Juno Beach, FL Palm Beach, FL Between Stuart and Ft. Pierce, FL Delray Beach, FL Juno Beach, FL Juno Beach, FL Pompano Beach, FL

Table 14. (Continued)

Launch Date	Launch Position	Batch No.	Drifter No.	Recovery Date	Recovery Position
10/11/76	25°02'N 86°09'W	219	005455 005472 005452 005465 005464 005472 005474	12/03/76 10/15/76 11/23/76 12/24/76 11/04/76 10/20/76 10/16/77	Jensen Beach, FL Costa Norte de Cuba Vero Beach, FL Palm Beach, FL Havana, Cuba Havana, Cuba Jupiter Inlet, FL
10/10/76	26°42'N 85°59'W	220	005485 005489 005494	11/27/76 11/15/76 11/04/76	Vero Beach, FL Palm Beach, FL Jensen Beach, Hutchinson Island, FL
10/11/76	26°09'N 89°04'W	221	005504 005507	06/03/77 06/20/77	Malaquite Beach, Padre Island, TX Petit Bois Island, MS
10/11/76	24°59'N 88°04'W	222	005522	11/04/76	Hillsboro Beach, FL
10/12/76	27°00'N 88°57'W	309	007288 007300 007296	03/22/77 04/20/77 02/15/78	Mexican Jetties, Brownsfield, TX 27 mi. S Rio Grande River into Mexico Bob Hall Pier, Corpus Christi, TX
10/13/76	28°20'N 89°01'W	310	007306 007304 007309	12/15/76 08/18/77 11/16/77	Miami Beach, FL Destin, FL Port Salerno, FL
10/13/76	28°40'N 88°29'W	311	007332 007329 007325	04/15/77 05/27/77 07/30/77	Madero Tamps, Mexico Nat'l. Seashore, Padre Island, TX Long Key, FL
10/13/76	28°54'N 87°58'W	312	007344 007348 007346	12/10/76 05/13/77 09/26/77	Singer Island, FL Jupiter, FL Ranger, TX

Table 14. (Continued)

Launch Date	Launch Position	Batch No.	Drifter No.	Recovery Date	Recovery Position
10/13/76	29°30'N 88°00'W	313	007378	12/01/76	Tequesta, FL
10/13/76	29°11'N 88°30'W	314	007387 007395 007381	04/18/77 05/15/77 07/01/78	Padre Island, TX Malaquite Beach, TX Matagorda Peninsula, TX
10/14/76	28°52'N 89°02'W	315	007404 007419	05/13/77 08/14/77	Sargent Beach, TX Galveston, TX
10/14/76	28°46'N 89°30'W	316	007429 007431	05/18/77 01/26/78	Mustang Island, TX Mansfield Cut, Padre Island, TX
10/14/76	28°00'N 90°00'W	317	007451 007456 007441	06/22/77 08/27/77 08/15/77	Sabine Pass, TX Sabine Pass, TX Between Sabine Pass and High Island, TX
10/14/76	28°40'N 90°00'W	318	007467	04/13/77	Port Aransas, TX
10/14/76	28°23'N 91°01'W	319	007495 007492 007496	05/06/77 05/09/77 07/24/77	S Padre Island, TX Padre Island Nat'l. Seashore, TX Horn Island, MS
10/15/76	28°00'N 90°59'W	355	008216 008207	05/07/77 05/14/77	Matagorda Peninsula, TX Bob Hall Pier, Padre Island, TX
10/15/76	27°03'N 91°00'W	356	008240 008227 008228 008222	04/01/77 05/06/77 04/12/77 05/31/77	Key West, FL S Padre Island, TX Freeport, TX Port Mansfield Jetties, TX

Table 14. (Continued)

Launch Date	Launch Position	Batch No.	Drifter No.	Recovery Date	Recovery Position
10/15/76	26°00'N 91°01'W	357	008242 008253 008256 008245 008251	05/22/77 06/14/77 07/18/77 07/21/77 07/16/77	Canaveral Nat'l. Seashore, FL Matamoros, Mexico Port Arthur, TX Padre Island, TX Sabine Pass, TX
10/16/76	25°00'N 93°00'W	358			
10/16/76	25°58'N 93°02'W	359	008293 008299 008295 008297 008290 008284 008292	04/19/77 05/28/77 05/06/77 07/10/77 08/04/77 06/11/77 07/19/77	Bob Hall Pier, Corpus Christi, TX Sargent Beach, TX Port Aransas, TX San Jose Island, TX Tampaulipas, Mexico Galveston, TX Galveston, TX
10/17/76	28°02'N 92°59'W	360	008305	12/18/77	Malaquite Beach, TX
10/17/76	29°00'N 93°00'W	361	008327 008328 008324	04/17/77 05/05/77 05/22/77	Port Isabel, S Padre Island, TX Galveston, TX Padre Island Nat'l Seashore, TX
10/18/76	28°30'N 94°20'W	362	008342 008348	03/22/77 05/15/77	Mexican Jetties, Brownsville, TX 4 mi. E Colorado River, TX
10/18/76	27°51'N 94°33'W	363	008364 008367 008378 008379	04/06/77 05/04/77 06/11/77 03/03/77	Padre Island, TX Malaquite Beach, TX Malaquite Beach, TX Matagorda Island, TX

Table 14. (Continued)

Launch Date	Launch Position	Batch No.	Drifter No.	Recovery Date	Recovery Position
10/18/76	26°59'N 94°31'W	364	008397 008382	05/29/77 05/11/77	Matagorda Island, TX Bob Hall Pier, Padre Island, TX
10/18/76	25°59'N 94°32'W	365	008403 008411 008407 008408 008403	03/13/77 04/23/77 06/05/77 08/04/77 11/24/77	Brownsville, TX Galveston, TX Matagorda Island, TX San Fernando Tampaulis, Mexico Brownsville, TX
10/19/76	25°00'N 94°30'W	366	008432 008426 008439	04/15/77 05/13/77 09/25/77	S Padre Island, TX Matamoros, Tamp, Mexico Matagorda Island, TX
10/19/76	24°01'N 94°29'W	367	008448 008445 008456	04/03/77 05/18/77 05/01/77	Big Pine Key, FL Port Aransas, TX Mansfield Cut, S Padre Island, TX
10/20/76	23°00'N 95°32'W	368	008469 008477	04/18/77 07/09/77	Surfside, Galveston, TX Tampaulipas, Mexico
10/20/76	23°29'N 95°32'W	369	008494 008497 008487 008486 008490 008493	12/29/76 05/06/77 05/15/77 05/21/77 08/04/77 03/19/78	Alacran MPIO de Cardgnas, EDO de TAB, Mexico S Padre Island, TX McAllen, TX Sargent Beach, TX San Fernando, Mexico Tamanlipas, Mexico
10/20/76	23°58'N 95°30'W	370	008519 008515	06/24/77 04/07/77	Sargent Beach, TX St. Joseph Island, TX
10/21/76	24°29'N 95°29'W	371	008534 008526	04/08/77 05/14/77	Port Mansfield Pass, TX Corpus Christi, TX

Table 14. (Continued)

Launch Date	Launch Position	Batch No.	Drifter No.	Recovery Date	Recovery Position
10/21/76	24°58'N 95°30'W	372	008546 008545	06/26/77 04/21/77	Port O'Conner, TX Padre Island, TX
10/21/76	25°31'N 95°32'W	373	008578 008568 008569 008565	05/12/77 07/16/77 07/21/77 07/31/77	Malaquite Beach, Corpus Christi, TX Padre Island Nat'l Seashore, TX Panama City, FL Matagorda Island, TX
10/21/77	26°02'N 96°02'W	374	008592 008600	04/19/77 07/09/77	Padre Island Nat'l Seashore, TX Corpus Christi, TX
10/22/76	27°01'N 96°00'W	375	008603 008620	05/08/77 05/26/77	Bolivar Peninsula, TX Malaquite Beach, N Padre Island, TX
10/22/76	27°45'N 96°08'W	376	008626 008633 008625	05/20/77 06/07/77 08/14/77	Malaquite Beach, Padre Island, TX Matagorda Island, TX Galveston, TX
10/22/76	27°00'N 96°43'W	377	008645 008655	04/23/77 07/10/77	Brownsville, TX San Jose Island, TX
10/22/76	26°01'N 96°35'W	378	008676 008680	05/01/77 10/01/77	Vera Cruz, Mexico Galveston, TX
10/22/76	25°30'N 96°38'W	379	008690 008697	05/27/77 08/14/77	Padre Island Nat'l Seashore, TX Matagorda Island, TX
10/23/76	25°00'N 96°40'W	380	008712 008704	04/23/77 07/10/77	Cocoa Beach, FL San Jose Island, TX

Table 14. (Continued)

Launch Date	Launch Position	Batch No.	Drifter No.	Recovery Date	Recovery Position
			008708	07/19/77	Mustang Island, TX
			008705	07/20/77	Port Aransas, TX
			008704	09/05/77	Florida - Alabama Line
			008716	05/20/78	Matagorda Beach Bay, TX
10/23/76	23°32'N 97°24'W	381	008725	05/09/77	Port Aransas, TX
			008728	08/27/77	Neaderland, TX
10/23/76	23°31'N 97°00'W	382	008749	05/07/77	Matagorda Peninsula, TX
			008758	05/13/77	Corpus Christi, TX
10/23/76	23°32'N 96°30'W	383	008765	05/14/77	San Fernando, Tamaulipas, Mexico
10/24/76	23°30'N 96°01'W	384	008781	04/16/77	Bolivar Peninsula, Galveston, TX
			008783	05/22/77	San Louis Pass, TX
			008789	05/14/77	Padre Island, TX
			008795	08/02/77	Matagorda Island, TX
10/24/76	22°42'N 96°31'W	385	008813	05/14/77	San Fernando, Tamaulipas, Mexico
			008804	05/14/77	San Fernando, Tamaulipas, Mexico
10/24/76	22°32'N 97°05'W	386	008821	05/04/77	Malaguete Beach, TX
			008828	04/12/78	Tampico, Tamaulipas, Mexico
10/24/76	22°00'N 96°54'W	387	008845	05/14/77	San Fernando, Tamaulipas, Mexico
10/24/76	21°56'N 96°21'W	388	008878	02/24/77	Paraiso, Mexico
			008868	03/26/77	Minatitlan, Vera Cruz, Mexico
			008867	05/31/77	Port Mansfield Jetties, TX
			008874	07/30/77	Padre Island, TX

Table 14. (Continued)

Launch Date	Launch Position	Batch No.	Drifter No.	Recovery Date	Recovery Position
10/25/76	21°00'N 96°12'W	389	008900 008894 008899	06/07/77 08/27/77 07/ /77	Matagorda Island, TX Freeport, TX Vera Cruz, Mexico
10/25/76	20°00'N 96°00'W	390			
10/25/76	19°49'N 95°36'W	391	008921 008927 008923 008928 008924	11/12/76 11/12/76 03/20/77 04/16/77 07/12/77	Vera Cruz, Mexico Vera Cruz, Mexico Vera Cruz, Mexico Corpus Christi, TX Rockport, TX
10/26/76	20°14'N 95°02'W	392	008942	05/03/77	Mustang Island, TX
10/26/76	19°40'N 95°00'W	393	008968 008963	05/20/77 06/18/77	Padre Island, TX Padre Island, TX
10/26/76	19°29'N 94°00'W	394	008982 008988 008994	05/07/77 08/23/77 11/19/77	Padre Island, TX Matagorda Beach, TX Sabine Pass, TX
10/26/76	19°00'N 94°01'W	395	009009 009001 009017 009019 009013 009004	05/24/77 05/06/77 05/09/77 06/25/77 07/30/77 08/23/77	St. Joseph's Island, Corpus Christi, TX Port Aransas, TX Matamoros, Tamp, Mexico Sargent Beach, TX Sabine Pass, TX Matagorda Beach, TX
10/27/76	19°04'N 95°00'W	396	009033 009036	06/09/77 05/15/77	Mustang Island, TX Port Aransas, TX

Table 14. (Continued)

Launch Date	Launch Position	Batch No.	Drifter No.	Recovery Date	Recovery Position
10/31/76	19°09'N 95°33'W	397	009060 009043 009054 009045	05/08/77 07/03/77 06/26/77 05/26/77	Galveston, TX N Padre Island, TX Vera Cruz, Mexico Port Aransas, TX
10/31/76	20°57'N 95°00'W	398	009069	07/19/77	San Jose Island, TX
11/01/76	21°59'N 95°00'W	399	009087	06/18/77	Sargent Beach, TX
11/01/76	23°00'N 94°31'W	400	009103	05/27/77	Padre Island Nat'l Seashore, TX
11/02/76	24°00'N 93°00'W	401	009130 009126 009140 009128	05/27/77 05/13/77 07/03/77 08/25/77	Padre Island Nat'l Seashore, TX Padre Island, TX 35 mi. S into Mexico from Texas S Padre Island, TX
11/02/76	23°00'N 93°02'W	402	009160	05/02/78	Mouth of Colorado River, TX
11/02/76	22°00'N 93°01'W	403	009166	06/12/77	Mexico Coast, 70 mi. S of Texas
11/03/76	20°56'N 92°59'W	404	009196 009189 009190	05/06/77 07/18/77 03/04/78	S Padre Island, TX Rockport, TX N Tampico, Mexico
11/03/76	19°46'N 93°00'W	405	009211 009202	05/25/77 07/22/77	Nat'l Seashore, Padre Island, TX Galveston, TX
11/03/76	19°02'N 93°01'W	406	009236 009235 009237	03/03/77 07/03/77 08/10/77	Vera Cruz, Mexico High Island, TX Gilchrist, TX
11/03/76	19°15'N 91°59'W	407	009245	12/18/77	Malaquite Beach, TX

Table 14. (Continued)

Launch Date	Launch Position	Batch No.	Drifter No.	Recovery Date	Recovery Position
11/04/76	19°52'N 92°01'W	408	009277 009272 009262 009276	04/18/77 04/17/77 05/06/77 06/30/77	Bowie Park, S Padre Island, TX Bob Hall Pier, Padre Island, TX Matamoros, Tamp, Mexico Sargent Beach, TX
11/04/76	20°59'N 91°01'W	409	009291 009300 009292	05/06/77 05/30/77 08/03/78	S Padre Island, TX Rockport, TX Mansfield Pass, S Padre Island, TX
11/04/76	22°00'N 90°59'W	410	009308 009312 009309 009304 009305	05/27/77 06/07/77 07/29/77 08/14/77 02/15/78	Morgan's Pt., TX Matagorda Island, TX Crystal Beach, TX Matagorda Island, TX Bob Hall Pier, Corpus Christi, TX
11/04/76	23°00'N 91°00'W	411	009332	06/01/77	Matagorda Bay, TX
11/05/76	24°00'N 91°00'W	412	009349 009354 009352	05/25/77 05/27/77 11/18/77	Lavaca Bay, Port Lavaca, TX Nat'l Seashore, Padre Island, TX Port Salerno, FL
11/05/76	24°00'N 89°00'N	413	009363 009374 009366 009362	05/14/77 05/27/77 06/19/77 07/09/77	Nat'l Seashore, Padre Island, TX Nat'l Seashore, Padre Island, TX Between Port Aransas and Mustang Island, TX San Jose Island, TX
11/06/76	22°59'N 89°00'W	414			
11/06/76	21°59'N 89°00'W	415	009401 009406	11/25/76 11/25/76	Lantana, FL Hollywood, FL

Table 14. (Continued)

Launch Date	Launch Position	Batch No.	Drifter No.	Recovery Date	Recovery Position
			009409	11/25/76	Delray Beach, FL
			009416	11/25/76	Miami Beach, FL
			009405	11/26/76	Hillsboro Beach, FL
			009414	11/25/76	N. Palm Beach, FL
			009404	11/24/76	Diana, FL
			009412	11/24/76	Palm Beach, FL
			009419	12/03/76	Jupiter Inlet, FL
			009420	11/25/76	Miami Beach, FL
			009402	11/20/76	Boca Raton, FL
			009410	11/16/76	Stuart, FL
			009408	09/26/77	Boynton Inlet, FL
11/06/76	22°01'N 87°01'W	416	009426	12/14/76	S Palm Beach, FL
			009435	07/25/77	Matagorda, TX
11/06/76	22°04'N 86°37'W	417	009442	05/06/77	S Padre Island, TX
			009441	06/20/77	Vera Cruz, Mexico
			009454	07/16/77	Sabine Pass, TX
11/07/76	22°04'N 86°12'W	418	009468	07/10/77	San Jose Island, TX
11/07/76	22°05'N 85°48'W	419	009492	08/19/77	Rockport, TX
11/07/76	22°06'N 85°24'W	420			
11/07/76	22°10'N 85°00'W	421	009524	12/11/76	Miami Beach, FL
			009531	12/12/76	Ft. Lauderdale, FL
			009523	12/22/76	Vero Beach, FL
			009528	12/22/76	Sabastian Inlet, FL
			009532	12/14/76	Ft. Lauderdale, FL

Table 14. (Continued)

Launch Date	Launch Position	Batch No.	Drifter No.	Recovery Date	Recovery Position
11/08/76	23°14'N 84°47'W	422	009551	12/30/76	Indiatlantic, FL
11/08/76	22°52'N 85°34'W	423	009575 009576	12/11/76 12/11/76	Bal Harbour, FL Sebastian Inlet, FL
11/08/76	22°32'N 86°21'W	424	009595 009599 009585	11/18/76 08/14/77 12/22/77	Travernier, FL Jupiter Inlet, FL Miami Beach, FL
11/08/76	23°02'N 87°01'W	425			
11/09/76	23°39'N 85°37'W	426	009632	03/25/77	Pompano Beach, FL
11/09/76	24°39'N 85°39'W	427			
11/10/76	24°30'N 87°01'W	428	009669 009662 009666	12/16/76 12/08/76 03/13/76	Islamorda, FL Morrillo Beach, B. Hondo, Cuba Havana, Cuba
11/10/76	25°21'N 86°19'W	429	009673 009695	12/14/76 07/22/77	Deerfield Beach, FL Port Bolivar, TX
11/10/76	26°31'N 85°59'W	430	009702 009706 009714 009715	12/14/76 12/21/76 01/14/77 12/11/76	Jupiter, FL Miami, FL Lake Worth, FL Hollywood Beach, FL
11/11/76	25°39'N 85°30'W	431	009726 009734	01/08/77 04/10/77	Havana City, Cuba Big Pine Key, FL

Table 14. (Continued)

Launch Date	Launch Position	Batch No.	Drifter No.	Recovery Date	Recovery Position
11/11/76	25°59'N 84°44'W	432	009759	03/08/77	Vero Beach, FL
11/11/76	26°15'N 84°00'W	433	009774 009765	12/20/76 01/22/77	Key Biscayne, FL Boynton Beach, FL
11/11/76	25°30'N 83°45'W	434	009788 009785 009793 009784 009796 009787	12/11/76 12/12/76 01/20/77 12/11/76 08/28/76 02/09/78	Hollywood, FL Ft. Lauderdale, FL Marathon Key, FL Hollywood Beach, FL Ft. Lauderdale, FL Palm Beach, FL
11/12/76	25°19'N 84°20'W	435			
11/12/76	24°59'N 85°00'W	436	009840 009830 009837	12/12/76 01/02/77 03/02/77	Ft. Pierce, FL Delray Beach, FL Miami, FL
11/12/76	24°04'N 85°00'W	437	009856	11/12/77	Marathon, FL
11/12/76	24°09'N 84°15'W	438	009865 009876	04/19/77 12/25/76	Cape Canaveral, FL Delray Beach, FL
11/13/76	24°32'N 83°44'W	439	009881 009897 009887 009888 009885	12/12/76 12/10/76 12/25/76 12/26/76 01/23/77	Highland Beach, FL Vero Beach, FL Highland Beach, FL Delray Beach, FL Rivera Beach, FL

Table 14. (Continued)

Launch Date	Launch Position	Batch No.	Drifter No.	Recovery Date	Recovery Position
11/13/76	24°04'N 83 51'W	440	009918	07/15/77	Big Pine Key, FL
11/13/76	23°36'N 83 58'W	441			
10/29/77	24°05'N 81 59'W	442	009954	11/13/77	Islamorada, FL

Table 15. Summary of information regarding drifters found and reported which were launched from the R/V GYRE, Cruise 76-G-10, 10-26 October 1976: 20 drifters launched in one batch.

Launch Date	Launch Position	Batch No.	Drifter No.	Recovery Date	Recovery Position
10/10/76	28°37'N 94°07'W	486	010765	04/14/77	Port Aransas, TX
			010762	06/05/77	Port O'Connor, TX
			010780	05/12/77	Matagorda Island, TX
			010776	08/23/77	Matagorda Beach, TX
10/10/76	27°50'N 93°37'W	487	010789	05/27/77	Nat'l Seashore, Padre Island, TX
10/10/76	27°21'N 92°43'W	488	010813	04/06/77	Padre Island, TX
			010815	06/18/77	S Padre Island, TX
			010805	06/27/77	Matagorda Island, TX
			010818	09/03/77	Galveston, TX
			010812	06/ /77	Between Gilchrist and Galveston, TX
10/10/76	27°09'N 91°49'W	489	010828	04/07/77	S Padre Island, TX
			010826	05/02/77	S Padre Island, TX
			010824	05/17/77	Mustang Island, Port Aransas, TX
			010844	04/26/77	Padre Island, TX
			010833	09/26/77	Panama City, FL
			010829	01/10/77	Robstown, Corpus Christi, TX
			010835	01/10/77	Robstown, Corpus Christi, TX
10/14/76	26°31'N 91°03'W	490	010850	05/30/77	Port Mansfield, Padre Island, TX
			010855	07/16/77	Johnson Bayou, LA
			010848	05/21/77	Sabine, TX
			010857	06/18/77	Padre Island, TX
10/14/76	25°49'N 90°31'W	491	010861	04/13/77	Malaquite Beach, Padre Island, TX
			010865	09/04/77	Galveston Island, TX
10/15/76	25°11'N 89°58'W	492	010897	03/31/77	S Padre Island, TX
			010894	05/15/77	3 mi E Colorado River, TX
			010881	08/31/77	Panama City, FL
			010900	05/31/78	Freeport, TX

Table 15. (Continued)

Launch Date	Launch Position	Batch No.	Drifter No.	Recovery Date	Recovery Position
10/15/76	24°37'N 89°17'W	493	010915 010904 010901	05/15/77 10/10/77 02/15/77	Corpus Christi, TX Matagorda Island, TX Bob Hall Pier, Corpus Christi, TX
10/15/76	24°05'N 88°38'W	494	010926 010924 010932 010936	04/18/77 06/20/77 06/08/77 06/23/77	San Luis Pass, TX High Island, TX Port Aransas, TX Matagorda Island, TX
10/15/76	23°28'N 87°59'W	495	010958 010950 010947 010955 010944 010960	05/06/77 06/13/77 06/29/77 07/15/77 02/15/77 03/03/78	Sargent, TX Between High Island and Gilchrist, TX Matagorda Peninsula, TX St. Joseph Island, TX Bob Hall Pier, Corpus Christi, TX Matamoros, Mexico
10/16/76	22°02'N 86°32'W	496	010961 010973	07/ /78 08/24/78	Matagorda Island, TX Port Aransas, TX
10/16/76	21°33'N 85°45'W	497			
10/16/76	21°11'N 85°00'W	498	011002 011010 011006 011020 011019 011009 011004	12/08/76 12/12/76 04/16/77 05/13/77 07/17/77 09/26/77 06/12/78	Singer Island, FL Highland Beach, FL Miami Beach, FL Vero Beach, FL Long Key, FL Matagorda, TX Plantation Key, FL
10/17/76	20°46'N 84°10'W	499	011031	05/30/77	Port Mansfield Cut, Padre Island, TX

Table 15. (Continued)

Launch Date	Launch Position	Batch No.	Drifter No.	Recovery Date	Recovery Position
10/17/76	20°19'N 83°26'W	500	011055 011053 011058 011059	04/30/77 07/26/77 08/13/77 03/05/78	Plantation Key, FL Gulf Shores, AL High Island, TX Key Largo, FL
10/17/76	19°55'N 82°27'W	501			
10/17/76	19°30'N 81°51'W	502			
10/21/76	19°09'N 82°27'W	503	011101 011103 011117 011106 011102 011107	12/03/76 12/25/76 08/29/77 09/11/77 10/09/77 01/15/77	Ft. Lauderdale, FL Hollywood, FL Matagorda Beach, TX Aransas Pass, TX Palm Beach, FL Miami, FL
10/21/76	19°40'N 83°08'W	504	011126 011132 011129 011123 011130	12/10/76 12/16/76 12/26/76 01/20/77 03/13/77	Singer Island, FL Melbourne Beach, FL Palm Beach, FL Ft. Lauderdale, FL Miami, FL
10/21/76	20°15'N 83°44'W	505	011157	11/11/77	Cozumel Island, Mexico
10/22/76	20°48'N 84°31'W	506	011171 011167 011172	05/09/77 05/01/77 06/19/77	S Padre Island, TX Malaquite Beach, Padre Island, TX Holly Beach, LA
10/22/76	21°27'N 85°07'W	507	011199	11/13/77	Stuart, FL
10/22/76	22°48'N 86°06'W	508	011203	01/16/77	Lake Worth, FL
10/23/76	24°08'N 87°11'W	509	011229	12/04/76	Hollywood, FL

Table 15. (Continued)

Launch Date	Launch Position	Batch No.	Drifter No.	Recovery Date	Recovery Position
10/25/76	25°54'N 88°27'W	510	011243 011250 011251 011252	12/12/76 05/16/77 05/04/77 05/18/77	East of Vera Cruz, Mexico Galveston, TX Padre Island Nat'l Seashore, TX Port Arthur, TX
10/26/76	26°41'N 88°41'W	511	011263	06/14/77	Gilchrist, TX
10/26/76	27°32'N 88°49'W	512	011297 011296 011298 011294 011299	06/06/77 07/16/77 08/30/77 05/28/77 09/05/77	Sabine Pass, TX Johnson's Bayou, LA San Luis Pass, TX Bolivar Peninsula, TX Port O'Connor, TX
10/26/76	28°19'N 88°54'W	513	011301 011316 011301 011315	02/10/77 05/05/77 05/18/77 04/15/77	Key Largo, FL Nat'l Seashore, Padre Island, TX Port Mansfield, TX Matagorda Island, TX

Table 16. Summary of information regarding drifters found and reported which were launched from the R/V GYRE, Cruise 76-G-11, 4-17 Nov. 1976.: 20 drifters launched in each batch.

Launch Date	Launch Position	Batch No.	Drifter No.	Recovery Date	Recovery Position
11/04/76	29°09'N 93°42'W	514			
11/04/76	28°40'N 92°33'W	515			
11/04/76	28°31'N 93°15'W	516			
11/05/76	28°20'N 94°08'W	517	011388 011385 011398	03/29/77 05/09/77 05/15/77	S. Padre Island, TX Port Aransas, TX N. Aransas Pass, TX
11/05/76	28°13'N 93°12'W	518	011411 011403 011402 011408 011409	07/05/77 05/12/77 06/ /77 06/14/77 09/08/78	Palacious Bay, TX Matagorda Island, TX Mexico (?) Matamoros, Mexico Matagorda Island, TX
11/05/76	28°10'N 92°15'W	519	011428 011436 011424 011439	02/03/77 04/19/77 05/20/77 06/03/77	Vero Beach, FL South Padre Island, TX Mustang Island, TX Matagorda Island, TX
11/05/76	27°52'N 92°31'W	520	011455 011458 011459 011444	03/26/77 05/01/77 06/21/77 07/16/77	Padre Island, TX Padre Island, TX Galveston, TX Sabine Pass, TX
11/06/76	27°16'N 92°10'W	521	011479 011482	02/06/77 02/26/77	Hollywood Beach, FL Key Largo, FL

Table 16. (Continued)

Launch Date	Launch Position	Batch No.	Drifter No.	Recovery Date	Recovery Position
11/06/76	26°55'N 91°20'W	522	011462 011463 011480 011466	04/20/77 05/29/77 04/27/78 03/04/78	Port Aransas, TX Matagorda Island, TX Washington Beach, Mexico Matagorda Island, TX
11/10/76	27°40'N 90°30'W	523	011497 011514 011515 011502	09/24/77 04/14/77 06/03/77 07/25/77	High Island, TX Berry Islands, Bahamas Port Aransas, TX Perdido Bay (FL - AL state line)
11/10/76	28°19'N 89°52'W	524	011522 011536 011540	06/05/77 06/17/77 06/26/77	Matagorda Island, TX S. beach of Bermuda San Luis Pass, TX
11/10/76	28°02'N 88°55'W	525	011551 011546	05/06/77 02/07/78	S. Padre Island, TX Palm Beach, FL
11/13/76	25°22'N 87°08'W	526	011579	05/14/77	Matecumbe Key, FL
11/11/76	27°13'N 87°58'W	527	011596 011589 011591 011583	05/19/77 06/14/77 07/05/77 10/29/77	Port Aransas, Mustang Island, TX Matamoros, Mexico Cudjoe Key, FL S. Matagorda Island, TX
11/11/76	26°35'N 87°23'W	528	011618 011619 011614 011601	12/19/76 06/14/77 11/01/77 02/08/77	Key Largo, FL Sands Key, FL Long Point, FL Key Largo, FL
11/11/76	26°04'N 86°39'W	529	011645	08/10/77	Ft. Walton Beach, FL

Table 16. (Continued)

Launch Date	Launch Position	Batch No.	Drifter No.	Recovery Date	Recovery Position
11/13/76	25°32'N 86°14'W	530			
11/13/76	25°11'N 88°01'W	531	011671 011680 011668 011678 011664	12/10/76 12/10/76 12/25/76 12/14/76 12/07/76	Singer Island, Palm Beach Co., FL Daina Beach, FL Melbourne Beach, FL Delray Beach, FL Delray Beach, FL
11/14/76	24°43'N 89°08'W	532	011682	05/04/77	Mustang Island, TX
11/14/76	24°30'N 89°58'W	533	011717	09/14/77	Padre Island Nat'l. Seashore, TX
11/14/76	24°12'N 90°50'W	534	011739 011728	04/30/77 07/16/77	N. of Port Mansfield Pass, Padre Island, TX Sabine Pass, TX
11/14/76	23°54'N 91°42'W	535	011752 011750	08/14/77 08/04/77	Gilchrist, TX Tamaulipas, Mexico
11/14/76	23°47'N 92°27'W	536	011765 011774 011772 011762 011770 011783	04/17/77 05/07/77 05/05/77 08/07/77 09/02/77 12/26/77	Port Isabel, TX 6½ mi. E. Colorado River, TX Matamoros, Tamps, Mexico Crystal Beach, TX Freeport, TX Sargent, TX
11/15/76	24°33'N 92°50'W	537	011800 011799 011797	03/13/77 05/06/77 05/06/77	South Padre Island, TX Galveston, TX S. Padre Island, TX

Table 16. (Continued)

Launch Date	Launch Position	Batch No.	Drifter No.	Recovery Date	Recovery Position
11/15/76	25°19'N 93°10'W	538	011791	06/05/77	Brownsville, TX
			011794	09/18/77	Between Johnson Bayou, LA and Texas border
			011786	01/15/78	Malaquite Beach, Padre Island, TX
			011798	04/23/78	St. Joseph Island, Port Aransas, TX
			011784	05/14/78	Padre Island, TX
11/16/77	26°07'N 93°36'W	539	011803	05/23/77	Panama City, FL
			011813	05/07/77	Port Aransas, TX
			011818	06/04/77	Port O'Conner, TX
			011820	06/18/77	Sargent Beach, TX
			011829	04/19/77	46 mi. S. of Rio Grande River into Mexico
11/16/76	26°51'N 94°02'W	540	011831	05/26/77	Padre Island, TX
			011827	10/23/77	Freeport, TX
			011839	11/24/77	Malaquite Beach, FL
			011824	04/04/78	Middle of Padre Island, TX
			011841	05/06/77	S. Padre Island, TX
11/16/76	27°21'N 94°16'W	541	011860	07/17/77	St. Jose Island, TX
			011845	02/16/78	Sabine Pass, TX
			011852	05/24/78	Sargent Beach, TX
			011864	04/20/77	Port Aransas, Mustang Island, TX
			011873	04/20/77	33 mi. S. of Rio Grande River into Mexico
11/16/76	27°21'N 94°16'W	541	011876	04/10/77	Port Aransas, TX
			011861	05/13/77	Freeport, TX
			011865	07/16/77	Sabine Pass, TX
			011879	01/01/78	Caplen, TX

Table 16. (Continued)

Launch Date	Launch Position	Batch No.	Drifter No.	Recovery Date	Recovery Position
11/17/76	28°06'N 94°32'W	542	011887	04/30/77	Padre Island, TX
			011886	06/08/77	Aransas Pass, San Jose Island, TX
			011892	06/19/77	San Luis Pass, TX
			011893	07/22/77	Padre Island, TX
			011885	08/23/77	Matagorda Beach, TX

Table 17. Summary of information regarding drifters found and reported which were launched from the R/V GYRE, Cruise 76-G-12, 22-23 Nov. 1976: 20 drifters launched in each batch.

Launch Date	Launch Position	Batch No.	Drifter No.	Recovery Date	Recovery Position
11/22/76	27°50'N 93°49'W	543	011919 011907 011916	03/22/77 06/25/77 04/30/78	Brownsfield, TX N. Padre Island, TX Gulf of Mexico
11/23/76	27°25'N 95°54'W	544	011926 011933 011934 011937	06/12/77 07/04/77 08/04/77 09/23/78	Brownsfield, TX Sea Rim State Park, Sabine Pass, TX Tamanlipas, Mexico Sargent Beach, TX
11/23/76	26°59'N 94°13'W	545	011950 011941 011942 011952	05/15/77 05/13/77 06/09/77 05/20/77	S. Padre Island, TX Padre Island, TX Galveston Island, TX South Beach, Padre Island, TX

Table 18. Summary of information regarding drifters found and reported which were launched from the R/V GYRE, Cruise 76-G-13, 1-3 Dec. 1976: 20 drifters launched in each batch.

Launch Date	Launch Position	Batch No.	Drifter No.	Recovery Date	Recovery Position
12/01/76	26°56'N 94°10'W	546	011961	03/26/77	S. Padre Island, TX
			011971	04/24/77	Freeport, TX
			011962	05/06/77	Nat'l. Seashore, S. Padre Island, TX
			011979	05/08/77	Nat'l. Seashore, S. Padre Island, TX
			011975	05/27/77	Nat'l. Seashore, S. Padre Island, TX
			011964	07/10/77	San Jose Island, TX
			011977	07/16/77	Sabine Pass, TX
			011969	10/14/77	Brown Cedar Cut, San Bernard River and Gulf
12/02/76	27°55'N 93°34'W	547	011981	04/28/77	Port Aransas, TX
			011992	05/31/77	Mustang Island, TX
			011990	09/10/77	Sargent Beach, TX
12/03/76	28°34'N 94°06'W	548			
			012014	03/22/77	Brownsfield, TX
			012017	03/24/77	South Padre Island, TX
			012019	07/12/77	N. Matagorda Island, TX
			012005	12/06/77	Port Lavaca, TX

Table 19. Summary of information regarding drifters found and reported which were launched from the USCG ACUSHNET, 3-9 Dec. 1976: 17 drifters launched in batches 549-564A and 13 in batch 564B.

Launch Date	Launch Position	Batch No.	Drifter No.	Recovery Date	Recovery Position
12/03/76	28°19'N 88°51'W	549	012021 012037 012038	05/15/77 12/03/77 07/13/78	S of Port Mansfield, S. Padre Island, TX Port Bolivar, TX Matagorda Island, TX
12/03/76	27°31'N 89°17'W	550	012039 012054 012051 012053 012052	02/13/77 02/24/77 03/12/77 05/17/77 05/25/77	Islamorada, FL Delray Beach, FL Patrick AFB, FL Freeport, Texas N Nat'l. Seashore, Padre Island, TX
12/03/76	26°01'N 89°59'W	551	012069 012074 012073	05/19/77 09/01/77 10/03/77	Malaquite Beach, Padre Island, TX Galveston Beach, TX Holly Beach, LA
12/04/76	25°56'N 90°57'W	552	012087	06/12/77	Matamoros, Tamp, Mexico
12/04/76	26°00'N 91°58'W	553	012110 012095 012097 012104	06/12/77 10/02/77 05/21/78 10/07/78	W of Sabine Pass, TX Crystal Beach, TX Horn Island, MS Roll Over Pass, Highlands, TX
12/04/76	26°04'N 92°51'W	554	012123 012124 012126	04/20/77 06/14/77 06/ /77	Mustang Island, Port Aransas, TX Bolivar Peninsula, TX Port Lavaca, TX
12/04/76	26°01'N 93°32'W	555	012131 012142 012146 012132	06/03/77 06/17/77 11/26/77 12/30/77	Key West, FL Sargent Beach, TX Matagorda Island, TX Port Aransas, Mustang Island, TX

Table 19. (Continued)

Launch Date	Launch Position	Batch No.	Drifter No.	Recovery Date	Recovery Position
12/04/76	26°01'N 94°22'W	556	012159 012149 012160 012164	04/16/77 05/14/77 04/23/77 10/07/77	Padre Island, TX Padre Island, TX Bagdad, Mexico Galveston, TX
12/05/76	25°58'N 95°19'W	557	012172	06/12/77	60-75 mi. down Mexico coast
12/05/77	26°03'N 96°11'W	558	012200 012191 012193	03/09/77 03/15/77 05/18/77	Mexico 43 mi. S of Rio Grande River Malaquite Beach, TX 28 mi. S Malaquite Beach, Padre Island, TX
12/08/76	26°20'N 96°14'W	559	012208 012212 012216	04/14/77 04/20/77 06/04/77	Port Aransas, TX 48 mi. S Rio Grande River Sargent Beach, TX
12/08/76	26°35'N 95°32'W	560	012229 012220 012221	04/24/77 06/11/77 06/ /77	East end Matagorda Island, TX Matagorda Island, TX Port Lavaca, TX
12/08/76	26°51'N 94°26'W	561	012253 012254 012242 012253 012246	05/02/77 05/06/77 07/31/77 06/25/78 06/07/78	Corpus Christi, TX Nat'l. Seashore, S Padre Island, TX High Island, TX Port O'Conner, TX S Padre Island, TX
12/08/76	27°09'N 93°38'W	562	012272 012271	05/06/77 05/11/77	S Padre Island, TX Port Mansfield, S Padre Island, TX
12/08/76	27°25'N 92°44'W	563	012279 012276 012290	05/02/77 05/05/77 04/22/77	S Padre Island, TX S Padre Island, TX N Padre Island, TX

(Continued)

Launch Date	Launch Position	Batch No.	Drifter No.	Recovery Date	Recovery Position
12/08/76	27°43'N 91°51'W	564	012281	05/07/77	Galveston Island, TX
			012288	05/05/77	Matamoros, Tamps, Mexico
			012275	04/26/77	W Colorado River Mouth, TX
			012277	07/09/77	Matagorda Island, TX
			012289	08/26/78	Sargent Beach, TX
12/08/76	27°43'N 91°51'W	564	012301	03/25/77	Port Mansfield Jetties, TX
			012302	04/20/77	34 mi. S Rio Grande River
			012304	05/14/77	Mat'l. Seashore, Padre Island, TX
			012298	07/09/77	29 mi. E Bolivar Ferry, Galveston, TX
12/09/76	27°58'N 90°57'W	564A	012315	05/15/77	N Padre Island, TX
			012312	05/29/77	Juno Beach, FL
			012317	06/19/77	San Jose Island, TX
			012321	09/07/77	Destin, FL
12/09/76	28°15'N 90°03'W	564B	012332	07/09/77	Key West, FL
			012340	07/16/77	Sabine Pass, TX
			012336	08/20/77	Brown Cedar Cut, TX
			012339	09/06/77	Santa Rosa Island, Pensacola, FL

Table 20. Summary of information regarding drifters found and reported which were launched from the USCG ACSHNET, 21-27 January 1977: 20 drifters launched in each batch.

Launch Date	Launch Position	Batch No.	Drifter No.	Recovery Date	Recovery Position
01/21/77	28°09'N 88°58'W	585	012749 012743 012744	05/16/77 04/27/77 07/31/78	Galveston, TX Ft. Morgan, AL Padre Island, TX
01/21/77	27°23'N 89°23'W	586	012778 012764 012766 012776	04/04/77 05/06/77 05/12/77 09/02/78	Gulf Shores, AL S. Port Mansfield, TX Matagorda Island, TX St. Joseph's Island, TX
01/22/77	26°38'N 89°43'W	587	012793 012789 012790	05/18/77 08/14/77 06/21/77	Port Aransas, TX Gulfport, MS Freeport, TX
01/23/77	26°00'N 89°06'W	588	012805 012809 012812 012815 012819 012804	05/21/77 04/17/77 06/11/77 07/14/77 08/23/77 06/20/78	Crystal Beach, TX Matagorda Peninsula, TX Galveston, TX Biloxi, MS Gulf Shores, AL Mustang Island, TX
01/23/77	26°02'N 88°11'W	589	012834	04/18/77	Hollywood Beach, FL
01/23/77	26°01'N 87°16'W	590	012847	06/24/77	Galveston, TX
01/23/77	25°57'N 86°19'W	591	012877 012876	03/25/77 05/17/77	Virginia Key, FL Galveston East Beach, TX
01/24/77	25°38'N 85°13'W	592			
01/24/77	25°12'N 84°22'W	593	012906	03/10/77	Islamorada, Florida Keys

Table 20. (Continued)

Launch Date	Launch Position	Batch No.	Drifter No.	Recovery Date	Recovery Position
01/25/77	26°59'N 85°33'W	594	012936	03/31/77	Palm Beach, FL
01/26/77	27°34'N 86°12'W	595	012951 012954 012948 012955 012942	02/12/77 02/09/77 03/24/77 03/28/77 04/23/77	Hillsboro Beach, FL Pompano Beach, FL Ft. Lauderdale, FL Bal Harbor, Miami Beach, FL Hollywood, FL
01/26/77	27°09'N 86°50'W	596	012975 012974 012968	03/26/77 06/14/77 02/20/77	Miami Beach, FL Elliot Key, FL Marathon, FL
01/26/77	28°50'N 87°26'W	597	012984 012999 012995 012986	06/04/77 05/15/77 07/31/77 09/25/77	Highland Beach, FL Bolivar Peninsula, TX 20 mi. E of Pensacola, FL Johnson Bayou, La. - Texas boundary
01/27/77	29°22'N 88°05'W	598	013016 013003 013002 013019 013008 013014	03/29/77 05/01/77 04/28/77 10/03/77 07/05/77	Bal Harbor, FL Missouri Key, FL Hollandale, FL Galveston, TX Holly Beach, LA Port Neches, TX
01/27/77	29°44'N 88°26'W	599	013033 013040 013036 013028 013023 013031 013030 013034	04/11/77 05/03/77 05/04/77 05/14/77 05/07/77 05/14/77 06/05/77 06/19/77	Corpus Christi, TX S. Padre Island, TX Serfside, TX San Luis Pass, TX Matagorda Island, TX Nat'l. Seashore, Padre Island, TX Port O'Conner, TX Matagorda Island, TX

Table 21. Summary of information regarding drifters found and reported which were launched from the R/V GYRE, Cruise 77-G-1, 29 Jan.-16 Mar. 1977: 20 drifters launched in each batch.

Launch Date	Launch Position	Batch No.	Drifter No.	Recovery Date	Recovery Position
01/29/77	28°50'N 93°52'W	600	013050 013055 013058 013056 013041	03/22/77 04/14/77 04/09/77 05/01/77 09/03/77	Mexican Jetties, Brownsville, TX S. Padre Island, TX Port Mansfield, TX N. Port Mansfield Pass, Padre Island, TX Assateague Island, MD
01/29/77	28°01'N 93°40'W	601	013071 013065 013073 013067 013068	08/08/77 10/30/77 10/30/77 06/18/77 05/08/77	Galveston, TX St. Joseph Island, TX Port Lavaca, TX Padre Island, TX 10 mi. W Panama City, FL
01/29/77	27°33'N 92°48'W	602	013094 013088 013098	04/19/77 05/07/77 05/22/77	San Luis Pass, TX N. Padre Island, TX Galveston, TX
01/30/77	27°06'N 91°02'W	603	013116 013119 013110 013106 013105 013109	07/03/77 03/27/77 06/25/77 07/16/77 07/31/77 09/13/77	Cameron, LA Rockport, TX High Island, TX Sabine Pass, TX 9 mi. N of High Island, TX Grand Isle, LA
01/30/77	27°21'N 91°55'W	604	013127 013138 013137	05/14/77 06/10/77 04/25/78	Galveston, TX San Jose Island, TX Port Aransas, TX
01/30/77	26°47'N 90°10'W	605	013155 013142 013150	05/04/77 10/22/77 09/23/78	Port Aransas, TX Padre Island, TX Sargent Beach, TX

Table 21. (Continued)

Launch Date	Launch Position	Batch No.	Drifter No.	Recovery Date	Recovery Position
01/30/77	26°28'N 89°24'W	606	013177 013164 013179 013175	05/14/77 05/02/77 06/23/77 08/14/77	Port Aransas, TX Padre Nat'l. Park, TX Matagorda Island, TX High Island, TX
01/30/77	26°15'N 88°29'W	607			
01/31/77	25°54'N 87°28'W	608	013205	08/05/78	Santa Rosa Island, FL
01/31/77	25°39'N 86°42'W	609	013228 013223	04/17/77 03/08/78	Marathon, FL Ft. Lauderdale, FL
01/31/77	25°20'N 85°52'W	610			
01/31/77	24°56'N 85°03'W	611	013262 013266 013267	04/25/77 08/10/77 03/18/78	Big Pine Key, FL Key Largo, FL St. Lucie Inlet, FL
01/31/77	24°47'N 84°12'W	612	013281 013297	04/22/77 06/20/77	Hillsboro Beach, FL Sugarloaf Key, FL
02/01/77	24°25'N 83°19'W	613			
02/01/77	24°09'N 82°28'W	614	013336 013331	02/22/77 03/31/77	Palm Beach, FL Miami, FL
03/14/77	24°36'N 83°09'W	615	013346 013342 013343 013352 013356 013349	03/29/77 03/27/77 03/13/77 04/13/77 08/29/77 10/12/76	Key Biscayne, FL Stuart, FL Blowing Rock, FL 24°58'N 80°33.30'W Hutchinson Island, FL Cocoa Beach, FL

Table 21. (Continued)

Launch Date	Launch Position	Batch No.	Drifter No.	Recovery Date	Recovery Position
03/14/77	24°59'N 83°58'W	616	013367 013373 013363 013370 013371 013361 013379 013364	04/02/77 04/18/77 05/09/77 04/07/77 04/15/77 12/07/77 05/29/78 11/17/77	Hollywood, FL Tavernier, FL Big Pine Key, FL Key Largo, FL Tavernier, FL Grassey Key, FL Big Pine Key, FL Tavernier, FL
03/14/77	25°21'N 84°40'W	617	013384 013400 013395 013393	03/23/77 03/27/77 04/02/77 11/27/77	Jupiter Beach, FL Ft. Lauderdale, FL Miami, FL Rhodes Key, FL
03/14/77	25°38'N 85°39'W	618	013406 013411 013414 013407 013417 013401 013420 013402	03/26/77 03/28/77 03/25/77 03/25/77 04/05/77 04/12/77 04/13/77 04/20/77	Miami, FL Elliot Key, FL Ft. Lauderdale, FL Ft. Lauderdale, FL Elliot Key, FL Satellite Beach, FL Satellite Beach, FL Key Largo, FL
03/15/77	25°54'N 86°30'W	619	013428 013429 013430	05/15/77 08/27/77 09/30/77	High Island, TX Neaderland, TX Sargent Beach, TX
03/15/77	26°14'N 87°22'W	620	013454 013452	10/23/77 05/04/78	Cameron, LA Boca Chica, TX
03/15/77	26°38'N 88°11'W	621	013474	07/01/77	12 mi. W Sabine Pass, TX
03/15/77	27°01'N 88°59'W	622	013488	09/16/78	Mansfield Jetties, Padre Island, TX

Table 21. (Continued)

Launch Date	Launch Position	Batch No.	Drifter No.	Recovery Date	Recovery Position
03/15/77	27°17'N 89°50'W	623	013519 013508 013517 013511 013506 013507	05/11/77 05/06/77 05/07/77 07/16/77 08/27/77 08/15/77	Freeport, TX San Luis Pass, TX Galveston, TX Sabine Pass, TX Neaderland, TX Between Sabine Pass and High Island, TX
03/16/77	27°33'N 90°44'W	624	013528 013529	05/24/77 08/13/77	Brown Cedar Cut, TX Sea Wolf Park, Houston, TX
03/16/77	27°53'N 91°37'W	625	013558 013553 013555 013554	05/04/77 05/14/77 06/04/77 06/04/77	Galveston, TX Galveston, TX Port O'Conner, TX Port O'Conner, TX
03/16/77	28°06'N 92°30'W	626	013561 013577 013573 013564 013574	05/06/77 05/06/77 05/03/77 04/26/77 10/06/77	Sargent, TX Sargent, TX Padre Nat'l. Park, TX W. Colorado River mouth, TX Matagorda Island, TX
03/16/77	28°31'N 93°20'W	627	013598 013594 013595 013593 013581 013600	04/14/77 04/18/77 04/21/77 06/09/77 07/06/77 09/11/77	Bob Hall Pier - Corpus Christi, TX 27°15' on Padre Island, TX Padre Island, TX Port Aransas, TX Freeport, TX San Jose Island, TX
03/16/77	29°00'N 94°05'W	628	013611 013613 013588 013604 013617	04/08/77 04/19/77 04/16/77 05/05/77 06/18/77	Port Mansfield Pass, TX 50 mi. S of Rio Grande Port Aransas, TX Port Mansfield Cut, S. Padre Island, TX Mouth of San Bernard River, Gulf-Texas

Table 22. Summary of information regarding drifters found and reported which were launched from the R/V GILLIS, 17 Feb.-1 March 1977, 20 drifters launched in each batch.

Launch Date	Launch Position	Batch No.	Drifter No.	Recovery Date	Recovery Position
02/17/77	23°02'N 90°57'W	324	007589 007583	06/26/77 08/24/77	High Island, TX High Island, TX
02/19/77	20°51'N 92°58'W	325			
02/20/77	19°30'N 92°43'W	326	007631 007628 007630	05/14/77 06/17/77 06/05/77	S. Padre Island, Mansfield Jetties, TX Galveston side of Bernard River, TX Matagorda Island, TX
02/25/77	23°26'N 92°32'W	327	007660 007650 007656 007641 007648	04/20/77 06/12/77 06/19/77 04/30/78 09/04/78	Rio Grande River 60-75 mi. into Mexico Coast 75 mi. S. of Texas border in Mexico Matamoras, Mexico 42 mi. S of Texas - Mexico border
02/21/77	19°06'N 94°06'W	328	007776 007668 007665 007673 007677	05/06/77 05/12/77 06/05/77 06/27/77 08/23/77	Nat'l. Seashore, S. Padre Island, TX S. Padre Island, TX San Jose Island, Cedar Bayou, Rockport, TX Matagorda Island, TX Matagorda Beach, TX
02/28/77	27°20'N 95°29'W	329	007689 007700 007683 007682	05/21/77 07/10/77 07/10/77 10/10/77	Port Mansfield Jetties, Padre Island, TX High Island, TX South Timberlier Island, LA Sea Rim State Park, Port Arthur, TX

Table 22. (Continued)

Launch Date	Launch Position	Batch No.	Drifter No.	Recovery Date	Recovery Position
02/18/77	21°47'N 91°51'W	330	007707 007715 007701 007718 007708	04/23/77 05/12/77 05/21/77 05/20/77 06/17/77	240 m South of Brownsville, TX Corpus Christi, TX Port Aransas, TX South Beach, Padre Island, TX Matagorda Peninsula, TX
02/21/77	19°24'N 95°13'W	331	007733 007721	03/21/77 05/21/77	Vera Cruz, Mexico Nat'l. Seashore, Padre Island, TX
02/26/77	24°50'N 95°52'W	332	007756 007760 007747 007746 007749 007759	05/04/77 05/14/77 05/26/77 06/14/77 07/10/77 08/14/77	Malquite Beach, Padre Island, TX San Fernando, Tamaulipas, Mexico Matamoras, Mexico Matamoras, Mexico San Jose Island, TX Matagorda Island, TX
03/01/77	27°46'N 94°17'W	333	007768 007772 007769 007762	05/14/77 05/01/77 05/13/77 08/29/77	Port O'Connor, TX N. Port Mansfield Pass, Padre Island, TX N. Padre Island, TX Gilchrist, TX
02/25/77	26°32'N 96°05'W	334	007794 007790	05/20/77 07/04/77	N. Padre Island, TX Sea Rim State Park, Sabine Pass, TX

Table 23. Summary of information regarding drifters found and reported which were launched from the R/V GYRE, Cruise 77-G-2, 28-31 March 1977: 20 drifters launched in each batch.

Launch Date	Launch Position	Batch No.	Drifter No.	Recovery Date	Recovery Position
03/29/77	22°18'N 95°45'W	629	013627	06/04/77	Port O'Conner, TX
			013636	06/19/77	Port O'Conner, TX
			013632	09/25/77	San Luis Pass, TX
			013634	10/23/77	Galveston, TX
			013623	07/26/77	Matagorda, TX
03/29/77	27°03'N 93°58'W	630	013653	06/24/77	Sabine Pass, TX
			013654	09/24/77	High Island, TX
			013650	07/18/77	McFadden Beach, Galveston, TX
			013651	12/31/77	Freeport, TX
			013643	05/14/78	Mouth of Mermentau River, Gulf of Mexico, LA
03/30/77	27°17'N 93°04'W	631	013679	07/30/77	19 mi. W of Sabine Pass, TX
			013673	09/03/77	Mansfield Cut, Robstown, TX
			013666	09/25/77	Eugene Island, LA
			013668	10/24/77	Galveston, TX
			013667	09/23/78	Sargent Beach, TX
03/30/77	27°17'N 93°04'W	632	013682	05/06/77	San Luis Pass, TX
			013698	05/07/77	Galveston, TX
			013693	05/14/77	Port Aransas, TX
			013687	05/14/77	Port Aransas, TX
			013688	08/07/77	Mouth of San Bernard River, TX
			013695	06/16/78	St. Joseph's Island, TX
03/30/77	27°06'N 92°24'W	633	013720	05/15/77	Freeport Jetties, TX
			013716	05/14/77	Crystal Beach, TX
			013713	06/29/77	Matagorda Peninsula, TX
			013718	08/14/77	S end Matagorda Island, TX

Table 23. (Continued)

Launch Date	Launch Position	Batch No.	Drifter No.	Recovery Date	Recovery Position
03/30/77	26°56'N 92°00'W	634	013722 013726	05/15/77 08/31/77	Galveston, TX Destin, FL
03/31/77	27°01'N 91°00'W	635	013745 013757 013751 013753	07/04/77 08/17/77 11/20/77 04/25/78	Sea Rim St. Park, Sabine Pass, TX Tindall AFB, FL Cameron, LA Vera Cruz, Mexico

Table 24. Summary of information regarding drifters found and reported which were launched from the STORMY WEATHER, 25-27 April 1977: 10 drifters launched in each batch.

Launch Date	Launch Position	Batch No.	Drifter No.	Recovery Date	Recovery Position
04/27/77	21°30'N 84°00'W	480	010705 010710 010705 010707	05/21/77 05/24/77 05/21/77 05/22/77	Palm Beach, FL Juno Beach, FL Lantana, FL West Palm Beach, FL
04/27/77	20°15'N 83°30'W	481	010717	08/21/77	Big Pine Key, FL
04/27/77	21°30'N 83°50'W	482	010725 010726	11/28/77 09/02/77	Elliott Key, FL Sargent Beach, TX
04/26/77	22°30'N 85°00'W	483	010739 010733 010740	05/19/77 01/28/78 06/18/78	Ft. Lauderdale, FL Summerland Key, FL Bolivar Peninsula, TX
04/27/77	21°30'N 84°50'W	484	010750	09/21/77	Long Key, FL
04/25/77	23°42'N 84°45'W	485	010755	05/22/77	Cocoa Beach, FL

Table 25. Summary of information regarding drifters found and reported which were launched from the R/V GILLIS, 28 April -1 May 1977: 20 drifters launched in each batch.

Launch Date	Launch Position	Batch No.	Drifter No.	Recovery Date	Recovery Position
04/28/77	14°40'N 51°02'W	636			
04/28/77	13°45'N 51°15'W	637	013799	06/11/77	Anguilla (east shore), West Indies
04/29/77	13°15'N 51°48'W	638			
04/29/77	13°01'N 52°07'W	639			
04/29/77	12°57'N 53°19'W	640	013855	11/14/77	Landonsary Beach, West Indies
04/29/77	13°01'N 54°19'W	641			
04/30/77	13°01'N 53°19'W	642	013897 013888	07/29/77 11/19/77	Anguilla, West Indies Anguilla, West Indies
04/30/77	13°02'N 56°19'W	643	013904 013906	04/12/78 11/12/78	Barbuda Island, British West Indies Hillsboro Beach, FL
04/30/77	13°01'N 57°20'W	644			
05/01/77	13°00'N 58°20'W	645	013950 013959	12/17/77 04/29/78	Barbadas, West Indies E side of Barbuda Antiqua, West Indies

Table 26. Summary of information regarding drifters found and reported which were launched from the R/V GYRE, Cruise 77-G-3, 14-21 April 1977: 20 drifters launched in each batch.

Launch Date	Launch Position	Batch No.	Drifter No.	Recovery Date	Recovery Position
04/14/77	28°48'N 93°55'W	646	013967 013961	07/31/77 01/07/77	Gulf side of San Jose Island Port O'Conner, TX
04/14/77	28°20'N 93°08'W	647	013990 013985 013981 013991 013999	05/14/77 05/17/77 05/15/77 05/15/77 05/30/77	Port O'Conner, TX Port Aransas, Mustang Island, TX Aransas Pass, TX Port Aransas, TX Port Mansfield Jetties, TX
04/14/77	27°50'N 92°25'W	648	014017 014016 014019 014008 014020 014002	05/17/77 05/21/77 05/21/77 05/21/77 06/04/77 09/02/77	Galveston, TX Sargent Beach, TX Sargent Beach, TX San Luis Pass, TX Matagorda Bay, TX Freeport, TX
04/14/77	27°19'N 90°40'W	649	014027 014034 014032 014025 014029 014031 014026 014021	06/07/77 05/19/77 06/05/77 06/07/77 07/01/77 09/09/77 10/29/77 06/26/77	Matagorda Island, TX W Sargent Beach, TX Port O'Conner, TX Port O'Conner, TX 12 mi. W Sabine Pass, TX Matagorda Beach, TX S Matagorda Island, TX Sargent Beach, TX
04/16/77	26°46'N 91°09'W	650	014057 014056 014049 014041	07/10/77 08/13/77 10/03/77 12/03/77	Vermillion Parrish, LA Pensacola, FL Holly Beach, LA San Luis Pass, TX

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TEXAS A AND M UNIV COLLEGE STATION DEPT OF OCEANOGRAPHY F/G 8/3
SURFACE DRIFTER DATA FROM THE CARIBBEAN SEA AND GULF OF MEXICO,--ETC(U)
DEC 79 R D PARKER, J M MORRISON, W D NOWLIN N00014-75-C-0537
TAMU-REF-79-8-T NL

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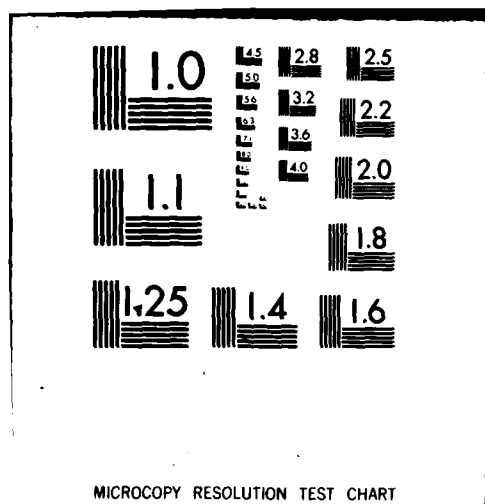


Table 26. (Continued)

Launch Date	Launch Position	Batch No.	Drifter No.	Recovery Date	Recovery Position
04/17/77	26°18'N 90°24'W	651	014067 014080	08/27/77 09/25/77	Pensacola, FL Pensacola, FL
04/18/77	25°58'N 89°02'W	652	014093	05/18/78	Galveston, TX
04/18/77	25°45'N 88°11'W	653	014105 014114 014111 014120	09/05/77 10/05/77 01/20/77 08/05/78	Gulf Shores, AL Destin, FL Virginia Key, FL Sargent Beach, TX
04/18/77	25°30'N 87°14'W	654	014121 014125	07/01/77 07/21/77	Sea Rim St. Park, Sabine Pass, TX High Island, TX
04/19/77	25°20'N 86°30'W	655	014141 014149 014155	05/17/77 06/29/77 05/20/78	S end of Metecumbe Key, FL Marathon Shores, Florida Keys, FL Padre Island, TX
04/19/77	25°19'N 86°12'W	656	014167 014180	09/27/77 01/14/78	High Island, TX Holly Beach, LA
04/20/77	24°39'N 85°42'W	657			
04/20/77	23°41'N 85°38'W	658	014210	05/15/77	Cocoa Beach, FL
04/20/77	22°42'N 85°28'W	659	014235	10/29/77	Grape Bay - S shore of Bermuda
04/21/77	21°05'N 84°01'W	660	014252 014245 014243 014254 014258	05/17/77 05/18/77 05/19/77 06/21/78 08/10/78	Boca Raton, FL Delray Beach, FL Hobe Sound, FL Santa Rosa Beach, FL Elmer's Island, LA

Table 26. (Continued)

Launch Date	Launch Position	Batch No.	Drifter No.	Recovery Date	Recovery Position
04/21/77	20°45'N 83°19'W	661	014269 014270	06/17/77 09/25/77	Boca Raton, FL Gulf Shores, AL
04/21/77	20°46'N 83°21'W	662			

Table 27. Summary of information regarding drifters found and reported which were launched from the R/V YOUNGSTER III. 14 June - 9 August 1977: 20 drifters launched in each batch.

Launch Date	Launch Position	Batch No.	Drifter No.	Recovery Date	Recovery Position
06/14/77	21°10'N 71°30'W	663			
06/14/77	20°30'N 70°30'W	664	014325	09/15/77	Acklins Island, Bahamas
			014324	09/15/77	Acklins Island, Bahamas
			014327	10/05/77	Long Island, Bahamas
06/14/77	20°00'N 69°50'W	665			
06/15/77	19°10'N 69°15'W	666			
06/15/77	18°30'N 67°40'W	667			
06/20/77	17°15'N 63°10'W	668	014416	05/13/78	Little Harbour, Long Island, Bahamas
06/20/77	16°45'N 63°05'W	669	014428	09/06/77	Pine Field Acklins, Bahamas
06/20/77	16°15'N 62°30'W	670			
06/21/77	15°40'N 62°20'W	671			
06/21/77	15°05'N 61°40'W	672	014484	07/05/77	Newcastle Bay, Nevis, British West Indies
			014483	02/26/78	Man of War Cay - Great and Little Exuma Islands
07/10/77	14°16'N 60°52'W	673	014506	01/12/78	Juno Beach, FL
07/11/77	14°16'N 60°52'W	674			
07/12/77	14°16'N 60°52'W	675			
07/14/77	14°16'N 60°52'W	676			

Table 27. (Continued)

Launch Date	Launch Position	Batch No.	Drifter No.	Recovery Date	Recovery Position
07/16/77	14°16'N 60°52'W	677	014581	01/30/78	Utlia Bay Island, Spanish Honduras
07/18/77	14°16'N 60°52'W	678	014606 014625	11/26/77 01/29/78	Fairfield Crooked Island, Bahamas N of Tulum Myer Ruins, Yucatan, Mexico
07/20/77	14°16'N 60°52'W	679	014635	01/23/78	Ft. Lauderdale, FL
07/20/77	14°16'N 60°52'W	680	014656	12/22/77	Palm Beach, FL
07/22/77	14°16'N 60°52'W	681			
07/23/77	14°16'N 60°52'W	682			
07/25/77	14°16'N 60°52'W	683	014716	12/23/77	Cozumel, Yucatan, Mexico
07/26/77	14°16'N 60°52'W	684	014736	04/01/78	Ocean Ridge, FL
07/28/77	14°16'N 60°52'W	685	014746 014745	11/08/77 10/20/77	Morant Pt. Jamaica Boca de Yuma, Dominican Republic
07/28/77	14°16'N 60°52'W	686			
07/30/77	14°16'N 60°52'W	687	014882 014888 014898 014899	08/ /77 08/ /77 08/ /77 08/ /77	Turquoise Bay, N shore St. Cruix Turquoise Bay, N shore St. Cruix Pelican Bay, N shore St. Cruix Pelican Bay, N shore St. Cruix
08/03/77	15°10'N 61°30'W	688	014802	07/01/78	Sea Rim State Park, Jefferson Co., TX
08/03/77	15°50'N 62°05'W	689			

Table 27. (Continued)

Launch Date	Launch Position	Batch No.	Drifter No.	Recovery Date	Recovery Position
08/03/77	16°30'N 62°30'W	690	014857	11/15/77	Grand Turk Island, West Indies
08/03/77	17°30'N 63°30'W	691	014879	12/09/77	Cayman Brac, Cayman Islands
08/03/77	18°10'N 64°40'W	692	014893 014885 014900 014884 014889 014887 014890	08/07/77 08/20/77 08/07/77 08/07/77 08/07/77 08/25/77 03/09/78	Pelican Bay, Virgin Islands Cristensted, St. Croix, Virgin Islands St. Croix, Virgin Islands St. Croix, Virgin Islands St. Croix, Virgin Islands St. Croix, Virgin Islands St. Croix, Virgin Islands
08/07/77	18°40'N 67°00'W	693	014918	11/21/77	Eleuthera, Bahamas
08/07/77	18°55'N 67°50'W	694			
08/09/77	20°14'N 71°12'W	695			
08/09/77	20°28'N 71°29'W	696			
08/09/77	20°50'N 71°55'W	697			

Table 28. Summary of information regarding drifters found and reported which were launched from the COLUMBUS ISELIN, 21 July-5 August 1977: 20 drifters launched in each batch.

Launch Date	Launch Position	Batch No.	Drifter No.	Recovery Date	Recovery Position
07/24/77	21°09'N 86°13'W	565	012350 012358 012356 012359 012343 012346	08/13/77 08/16/77 09/05/77 08/22/77 08/16/77 08/19/77	Ft. Lauderdale, FL Miami Beach, FL Lower Matecumbe, FL Sugarloaf Key, FL Boca Raton, FL 25 mi. W Sabine Pass, TX
07/21/77	20°31'N 87°04'W	566			
07/29/77	20°59'N 92°37'W	567	012397 012382	05/27/77 05/14/77	Padre Island, TX Padre Island, TX
07/25/77	21°56'N 87°01'W	568	012420 012405 012415 012409	08/28/77 05/27/78 06/24/78 09/01/78	Palm Beach, FL Padre Island Nat'l. Seashore, TX Sargent Beach, TX Sargent Beach, TX
07/29/77	22°00'N 92°01'W	569	012431 012427 012433 012432 012438 012440	09/25/77 09/24/77 11/23/77 12/24/77 02/15/78 04/02/78	Port Aransas, TX Padre Island Nat'l. Seashore, TX Padre Island, TX Padre Island, TX Corpus Christi, TX Malaquite Beach, Corpus Christi, TX
07/30/77	20°06'N 94°20'W	570	012443 012458 012449 012452 012457	09/20/77 10/30/77 10/23/77 03/08/78 05/14/78	Padre Island, TX Port Lavaca, TX N Padre Island, TX St. Jose Island, TX Padre Island, TX

Table 28. (Continued)

Launch Date	Launch Position	Batch No.	Drifter No.	Recovery Date	Recovery Position
07/28/77	22°29'N 89°50'W	571	012467 012479 012462 012472	04/15/78 07/27/78 07/31/78 09/02/78	S Padre Island, TX Marquesas Keys, Dry Tortugas Freeport, TX Bolivar Peninsula, TX
08/02/77	22°35'N 96°05'W	572	012498 012488 012495 012483 012493 012494	10/13/77 10/23/77 01/03/78 03/03/78 05/27/78 06/23/78	Matagorda, TX S Padre Island, TX San Jose Island, TX Matagorda Island, TX Matagorda Island, TX Sargent Beach, TX
08/02/77	23°33'N 96°04'W	573	012505 012519 012514 012511 012510 012503 012510	09/24/77 09/18/77 09/15/77 09/20/77 11/24/77 11/26/77 10/12/78	Bob Hall Pier, Padre Island, TX N Padre Island, TX San Jose Island, TX San Jose Island, TX S Padre Island, TX Padre Island Nat'l. Seashore, TX S Padre Island, TX
07/30/77	19°39'N 94°58'W	574	012535 012525	11/23/77 06/11/77	Padre Island, TX Mustang Island, TX
07/29/77	23°30'N 91°10'W	575	012549 012547 012548 012557 012544	04/10/78 05/09/78 05/27/78 08/05/78 10/12/78	Singer Island, Rivera Beach, FL Bob Hall Pier, Corpus Christi, TX Mouth of Colorado River - Gulf of Mexico Sargent Beach, TX Pensacola, FL
08/03/77	26°00'N 96°21'W	576	012567 012579	08/28/77 08/28/77	Matagorda Beach, TX Freeport, TX

Table 28. (Continued)

Launch Date	Launch Position	Batch No.	Drifter No.	Recovery Date	Recovery Position
08/03/77	24°37'N 95°56'W	577	012571	08/27/77	Freeport, TX
			012570	08/27/77	Brown Cedar Cut, TX
			012574	08/28/77	2 mi. W of mouth of Colorado River, TX
			012562	08/20/77	Freeport, TX
			012577	10/01/77	Padre Island, TX
			012578	08/28/77	San Luis Pass, TX
08/03/77	24°37'N 95°56'W	577	012563	09/02/78	Padre Island, TX
			012583	09/17/77	Padre Island, TX
			012598	09/20/77	San Jose Island, TX
			012586	09/30/77	Galveston, TX
			012591	12/10/77	Mouth of San Bernard River
			012588	05/16/78	Padre Island Nat'l. Seashore, TX
07/31/77	19°38'N 95°30'W	578	012610	08/05/77	Vera Cruz, Mexico
			012619	09/ /78	Bockachika Beach, FL
08/02/77	20°44'N 96°01'W	579	012634	06/04/78	High Island, TX
			012629	06/12/78	St. Joseph Island, TX
08/04/77	27°51'N 93°48'W	580	012660	09/20/77	Freeport, TX
			012644	09/23/77	San Luis Pass, TX
			012643	09/26/77	Galveston, TX
			012648	10/22/77	Sea Rim State Park, TX
			012649	06/05/78	Port Aransas, TX
			012654	06/03/78	Galveston, TX
08/04/77	27°51'N 93°48'W	580	012657	07/15/78	Matagorda Island, TX

Table 28. (Continued)

Launch Date	Launch Position	Batch No.	Drifter No.	Recovery Date	Recovery Position
08/05/77	27°40'N 94°06'W	581	012678 012678 012672 012663 012675	11/21/77 04/18/78 05/09/78 08/ /78 08/29/78	Washington Beach, Mexico Bob Hall Pier, Corpus Christi, TX Bob Hall Pier, Corpus Christi, TX Mansfield Pass, S Padre Island, TX High Island, TX
08/03/77	26°26'N 94°53'W	583	012706 012702 012716 012713	10/13/77 01/08/78 04/24/78 06/23/78	Matagorda Island, TX Malaquite Beach, Padre Island, TX Bayucas Island Soluvia Bayou S Padre Island, TX
07/26/77	22°25'N 89°21'W	584	012723 012739 012730 012721	11/11/77 05/05/78 08/15/78 11/23/78	Matagorda Peninsula, TX N Padre Island, TX Port Aransas, TX S Padre Island, TX

Table 29. Summary of information regarding drifters found and reported which were launched from the R/V GYRE, Cruise 77-G-8, 23 July-25 August 1977: 20 drifters launched in each batch.

Launch Date	Launch Position	Batch No.	Drifter No.	Recovery Date	Recovery Position
07/23/77	17°00'N 64°13'W	708	015204 015216	08/22/77 01/13/78	Ponce, Puerto Rico Key Biscayne, FL
07/24/77	16°30'N 63°30'W	709	015222 015233 015237	10/26/77 01/31/78 05/03/78	Yubucoa, Puerto Rico San San Jamaica Grand Cayman Islands
07/24/77	15°54'N 62°53'W	710			
07/24/77	15°19'N 62°18'W	711			
07/25/77	13°40'N 62°23'W	712			
07/26/77	12°44'N 62°25'W	713	015303 015320	03/04/78 04/06/78	Lake Worth, FL Cozumel Island
07/27/77	12°56'N 62°56'W	714	015329	12/02/77	S of Big Pine Key, FL
07/27/77	13°47'N 62°46'W	715			
07/27/77	14°34'N 62°14'W	716	015363 015375 015370	12/18/77 01/26/78 07/05/78	Barahona, Dominican Republic Barahona, Dominican Republic Sargent Beach, TX
07/27/77	14°36'N 63°20'W	717			
07/28/77	14°44'N 64°13'W	718	015404	07/21/78	Big Pine Key, FL
07/28/77	14°40'N 65°05'W	719	015429	01/26/78	Barahona, Dominican Republic

Table 29. (Continued)

Launch Date	Launch Position	Batch No.	Drifter No.	Recovery Date	Recovery Position
07/28/77	14° 32' N 65° 55' W	720	015442	10/30/77	Ft. Pierce, FL
07/29/77	14° 48' N 67° 34' W	721	015466	02/08/78	Bonaire, Netherlands Antilles
07/29/77	14° 45' N 66° 45' W	722			
07/30/77	14° 59' N 69° 19' W	723	015512 015502	01/15/78 06/23/78	Miami, FL S Padre Island, TX
07/30/77	15° 00' N 70° 11' W	724	015534 015523 015528	10/27/77 12/01/77 06/15/78	Vero Beach, FL Between S Palm Beach and Boynton Beach, FL Matagorda, TX
07/31/77	15° 17' N 71° 05' W	725	015556 015558 015548	09/18/77 03/09/78 10/07/78	Key Biscayne, FL Cape Canaveral, FL Belle Pass, LA
08/01/77	15° 38' N 72° 43' W	726			
08/01/77	15° 53' N 73° 33' W	727	015597	07/21/78	W Palm Beach, FL
08/02/77	16° 22' N 74° 40' W	728	015612 015616	04/25/78 06/10/78	Great Cistern, Abaco, Bahamas League Beach, FL
08/02/77	16° 39' N 75° 50' W	729	015630 015622 015626 015641 015636 015640	09/24/77 11/24/77 01/02/78 02/01/78 06/17/78 11/20/78	Boynton Beach, FL Sebastian Inlet, FL Marathon, FL Boca Raton, FL St. George Island, FL Omey Island, Ireland

Table 29. (Continued)

Launch Date	Launch Position	Batch No.	Drifter No.	Recovery Date	Recovery Position
08/02/77	16°56'N 76°39'W	730	015656 015642	09/17/77 09/14/77	Delray Beach, FL Key Largo, FL
08/03/77	17°48'N 79°05'W	731			
08/05/77	17°00'N 78°49'W	732	015686 015692 015688 015690	09/16/77 09/17/77 09/17/77 10/06/77	Boca Raton, FL Boynton Beach, FL Boynton Beach, FL Highland Beach, FL
08/06/77	16°20'N 78°14'W	733	015707 015708	12/09/77 06/06/78	Hutchinson Island, FL Mustang Island, TX
08/06/77	15°43'N 77°27'W	734	015736 015721	11/30/77 05/23/78	Elliott Key, FL Sargent Beach, TX
08/06/77	15°12'N 76°53'W	735			
08/06/77	14°41'N 76°13'W	736	015772 015762	10/27/77 06/04/78	Key Biscayne, FL Sargent, TX
08/07/77	13°41'N 75°47'W	737	015781 015786	11/19/77 02/04/78	San Andre's Isles, Columbia Columbia
08/07/77	12°49'N 75°27'W	738			
08/08/77	12°04'N 74°48'W	739			
08/25/77	19°19'N 83°01'W	740			

Table 29. (Continued)

Launch Date	Launch Position	Batch No.	Drifter No.	Recovery Date	Recovery Position
08/25/77	19°52'N 83°44'W	741	015872 015866 015873 015875 015869	11/21/77 11/17/77 02/20/78 08/02/78 08/05/78	Ft. Macon, NC Cayo la Angila S Elliott Key, FL S of Malaguite Beach, Padre Island, TX W Sargent Beach, TX
08/25/77	20°22'N 84°24'W	742	015886	10/23/77	Lake Worth, FL

Table 30. Summary of information regarding drifters found and reported which were launched from the Florida Department of Natural Resources Vessel, 27-30 July 1977: 20 drifters were launched in each batch.

Launch Date	Launch Position	Batch No.	Drifter No.	Recovery Date	Recovery Position
07/27/77	24°29'N 81°47'W	744	015934 015930 015926	08/20/77 08/26/77 12/14/77	Key West, FL Ohio Key, FL Old Rhodes Key (Biscayne), FL
07/27/77	24°27'N 81°47'W	745	015959 015947 015960	08/21/77 09/25/77 12/04/77	Bush Key, Dry Tortugas Lower Matecumbe, Florida Keys, FL Boca Chica Road, N of Key West, FL
07/27/77	24°12'N 81°47'W	746	015965 015977 015975	10/02/77 10/09/77 11/25/78	North Dade, FL Sugarloaf Key, FL New Symrna Beach, FL
07/30/77	24°29'N 81°20'W	747	015999 015997 015986	11/19/77 01/01/78 09/20/78	Key West, FL Sugarloaf Key, FL Boynton Beach, FL
07/30/77	24°24'N 81°23'W	748	016016 016004 016019 016015	08/23/77 09/18/77 12/15/77 05/29/78	Sugarloaf Key, FL Key West, FL Sugarloaf Shores, FL No Name Key off Big Pine Key, FL
07/30/77	24°53'N 81°25'W	749	016026 016023 016038 016039	09/17/77 11/01/77 11/05/77 11/20/77	Boynton Inlet, FL St. Lucia, Jupiter Island, FL Jupiter Inlet, FL Titusville, FL
07/30/77	24°35'N 81°19'W	751	016065 016072	07/31/77 07/31/77	Cudjoe Key, FL Cudjoe Key, FL

Table 30. (Continued)

Launch Date	Launch Position	Batch No.	Drifter No.	Recovery Date	Recovery Position
			016079	07/31/77	Cudjoe Key, FL
			016070	07/31/77	Cudjoe Key, FL
			016068	07/31/77	Cudjoe Key, FL
			016077	07/31/77	Big Pine Key, FL
			016080	07/31/77	Big Pine Key, FL
			016066	11/20/77	Summerland Key, FL
			016073	01/19/78	Between Big Pine and Little Torch Keys, FL
			016063	11/27/77	Miami Beach, FL

Table 31. Summary of information regarding drifters found and reported which were launched from the R/V GYRE, Cruise 77-G-11, 8-27 Oct. 1977: 20 drifters launched in each batch.

Launch Date	Launch Position	Batch No.	Drifter No.	Recovery Date	Recovery Position
10/08/77	28°24'N 94°38'W	698	015019 015018	06/22/78 06/15/78	Magnolia Beach, Corpus Christi, TX Port Aransas, TX
10/10/77	28°38'N 94°09'W	699	015026 015021 015032 015038 015024 015029 015037	12/18/77 01/07/78 01/24/78 05/19/78 05/24/78 06/04/78 12/09/78	Mustang Island, TX Malaquite Beach, TX Port Isabel, TX Holly Beach, LA Port Aransas, TX N of High Island, TX Galveston, TX
10/11/77	27°44'N 92°56'W	700			
10/11/77	27°11'N 92°11'W	701	015070 015072	05/08/78 08/24/78	Port Aransas, TX Highland Pier near TX-LA line
10/11/77	27°45'N 91°34'W	702	015090 015091	05/23/78 06/07/78	Sargent Beach, TX Mustang Island, TX
10/11/77	27°20'N 90°50'W	703	015119 015117 015118 015102 015104	03/31/78 06/03/78 06/12/78 04/25/78 07/23/78	N Padre Island, TX Mustang Island, TX St. Joseph Island, TX Vera Cruz, Mexico High Island Pier, TX
10/12/77	27°00'N 90°07'W	704	015124 015127 015121 015123 015135	06/21/78 07/25/78 10/13/78 10/25/78 11/18/78	Gilchrist, TX Holly Beach, LA Groto Bay Beach, Bermuda Baco Raton, FL North Miami Beach, FL

Table 31. (Continued)

Launch Date	Launch Position	Batch No.	Drifter No.	Recovery Date	Recovery Position
10/12/77	26°17'N 88°10'W	705	015142	11/05/78	Port Aransas, TX
10/12/77	25°56'N 87°15'W	706	015169	09/03/78	Gilchrist, TX
10/12/77	25°42'N 86°24'W	707	015184 015192	06/07/78 06/23/78	Crystal Beach, TX Sargent Beach, TX
10/12/77	26°39'N 89°05'W	755	016146	09/16/78	Galveston, TX
10/13/77	25°26'N 85°33'W	756	016165 016161	06/12/78 08/31/78	Galveston, TX N Padre Island, TX
10/13/77	25°03'N 84°46'W	757	016190 016184 016185	01/19/77 05/11/78 08/03/78	Cudjoe Key, FL Marathon, FL Mansfield Pass, S Padre Island, TX
10/13/77	24°47'N 83°55'W	758	016201	06/11/78	High Island, TX
10/13/77	24°43'N 83°19'W	759	016237	06/11/78	Malaquite Beach, TX
10/13/77	25°23'N 83°22'W	760	016254 016252	12/31/77 04/22/78	Miami, FL Corpus Christi, TX
10/22/77	26°02'N 89°02'W	761	016273 016268 016277	01/13/78 01/07/78 06/07/78	Palm Beach, FL Marathon Key, FL Tampico, Mexico
10/23/77	25°06'N 88°54'W	762	016291 016298 016299	01/05/78 02/12/78 09/02/78	Hutchinson Island, FL Lower Matecumbe, FL Padre Island, TX
10/23/77	24°18'N 88°46'W	763	016307 016312	11/14/77 11/14/77	Miami Beach, FL Palm Beach, FL

Table 31. (Continued)

Launch Date	Launch Position	Batch No.	Drifter No.	Recovery Date	Recovery Position
			016319	11/19/77	Hope Sound, FL
			016306	11/19/77	Jensen Beach, FL
			016303	11/25/77	Sands Key, FL
			016317	10/13/78	Boca Chica Beach, TX
10/23/77	23°06'N 87°45'W	764	016329	06/04/78	Between Quintana and Brian Beach, TX
10/25/77	22°04'N 89°48'W	765	016359	07/02/78	Bolivar Peninsula, TX
10/25/77	23°48'N 90°38'W	766	016376	04/21/78	Vera Cruz, Mexico
10/26/77	22°49'N 90°08'W	767	016395	05/26/78	Malaquite Beach, Padre Island, TX
			016387	06/19/78	Bermuda Beach, Galveston, TX
			016389	07/02/78	Galveston, TX
			016383	09/15/78	Sabine Pass, TX
10/26/77	24°32'N 91°03'W	768	016405	05/30/78	Between San Bernard River and Sargent Beach, TX
			016433	06/03/78	Mustang Beach, TX
			016409	05/28/78	Mustang Island, San Luis Pass, TX
			016410	05/07/78	Matamoras, Mexico
10/26/77	25°57'N 91°49'W	769	016425	05/16/78	Padre Island, TX
			016426	06/17/78	Port Mansfield Ship Channel, TX
			016430	08/09/78	Galveston Island, TX
			016422	09/02/78	Padre Island, TX
			016439	11/16/78	Malaquite Beach, Padre Island, TX
10/27/77	26°46'N 92°13'W	770	016455	04/09/78	Corpus Christi, TX
			016451	08/05/78	Sargent Beach, TX
			016458	07/30/78	Grand Isle, LA
			016447	08/ /78	Mansfield Pass, S Padre Island, TX
			016459	09/11/78	N Padre Island, TX

Table 31. (Continued)

Launch Date	Launch Position	Batch No.	Drifter No.	Recovery Date	Recovery Position
10/27/77	27°35'N 92°35'W	771	016473 016462	07/22/78 06/09/78	East Timberlier Island, LA Galveston, TX
10/27/77	28°18'N 93°01'W	772	016500 016489 016495 016487	05/06/78 05/27/78 06/11/78 07/02/78	Bahai Honda, Florida Keys Padre Island, TX S Padre Island, TX Matagorda Island, TX

Table 32. Summary of information regarding drifters found and reported which were launched from the R/V GYRE, Cruise 77-G-13, 12-29 November 1977: 20 drifters launched in each batch.

Launch Date	Launch Position	Batch No.	Drifter No.	Recovery Date	Recovery Position
11/12/77	26°54'N 91°19'W	777	016587	06/15/78	Padre Island, TX
11/15/77	25°39'N 89°42'W	778	016601	04/06/78	Malaquite Park, Padre Island, TX
			016620	04/23/78	Bob Hall Pier, Padre Island, TX
			016608	06/04/78	High Island, TX
			016605	06/06/78	High Island, TX
			016618	06/10/78	Rutherford Beach, LA
11/14/77	26°17'N 90°25'W	779	016624	05/23/78	Sargent Beach, TX
11/15/77	25°03'N 89°11'W	780	016646	06/11/78	Mustang Island, Corpus Christi, TX
			016657	07/17/78	Port St. Joe, FL
			016650	09/10/78	Port Aransas, TX
11/15/77	23°34'N 87°57'W	781	016672	08/ /78	Matagorda Island, TX
			016661	09/10/78	Belle Pass, Lafourche Parrish, LA
			016666	09/07/78	Matagorda Island, TX
11/16/77	22°47'N 87°24'W	782	016695	03/17/78	Port Isabel, Padre Island, TX
			016700	03/09/78	Port Aransas, TX
			016685	05/28/78	28°35'N 96°25'W
			016681	09/07/78	Padre Island, Road 3A, TX
			016690	09/23/78	Sargent Beach, TX
11/16/77	22°04'N 86°57'W	783	016707	05/12/78	Port Aransas, TX
			016701	06/04/78	Sargent, TX
			016712	06/15/78	Matagorda, TX
			016719	07/07/78	Cameron, LA

Table 32. (Continued)

Launch Date	Launch Position	Batch No.	Drifter No.	Recovery Date	Recovery Position
11/18/77	20°01'N 86°07'W	784	016735	03/25/78	Highland Beach, FL
11/18/77	19°37'N 85°21'W	785	016754	01/20/78	Freeport, Grand Bahama, Bahamas
11/18/77	19°13'N 84°36'W	786	016762	05/20/78	Delray Beach, FL
11/18/77	18°51'N 83°31'W	787	016781	12/15/77	Jupiter Island, FL
11/19/77	18°39'N 88°40'W	788	016803 016816	06/08/78 08/05/78	Padre Island, TX Sargent Beach, TX
11/19/77	18°25'N 81°49'W	789	016840	01/19/78	Palm Beach, FL
11/20/77	18°41'N 82°23'W	790	016858 016844	01/19/78 10/ /78	Tavernier, FL Rock Sound, Eleuthera, Bahamas
11/20/77	19°16'N 83°03'W	791			
11/20/77	19°48'N 83°45'W	792			
11/20/77	20°15'N 84°26'W	793	016908 016911	04/12/78 08/02/78	Key West, FL Jensen Beach, FL
11/21/77	21°28'N 85°20'W	794	016935 016928	04/25/78 07/08/78	Eleuthera Island, Bahamas High Island, TX
11/22/77	21°49'N 86°52'W	795	016942 016953 016944	01/07/78 01/14/78 12/10/78	Long Key, FL Virginia Key, FL Vero Beach, FL
11/22/77	24°33'N 87°14'W	796	016976 016968	01/04/78 01/04/78	Baco Raton, FL Singer Island, FL

Table 32. (Continued)

Launch Date	Launch Position	Batch No.	Drifter No.	Recovery Date	Recovery Position
11/23/77	25°48'N 87°44'W	797	016967 016979	01/18/78 05/24/78	Big Pine Key, FL Coloma, Pinar Id Rio, Cuba
11/23/77	26°27'N 88°03'W	798	016987 016999	12/30/77 07/01/78	Palm Beach, FL Sargent Beach, Brown Cedar Cut, TX
11/23/77	27°17'N 88°26'W	799	017019 017014	08/12/78 09/16/78	W Anna Maria Island, FL Mansfield Jetties, Padre Island, TX
11/24/77	28°11'N 88°50'W	800	017025 017032 017023 017033 017024	05/12/78 08/05/78 08/25/78 08/26/78 09/22/78	Port Aransas, TX Sargent Beach, TX Sargent Beach, TX Sargent Beach, TX Sargent Beach, TX
11/26/77	28°05'N 89°26'W	801	017046 017051 017044	05/29/78 06/01/78 11/24/78	Gilchrist, TX W Brown Cedar Cut, TX Sea Rim State Park, TX
11/27/77	27°36'N 90°08'W	802	017074 017078 017064 017068	05/22/78 05/27/78 06/17/78 05/16/78	Between San Bernard and Colorado Rivers, TX Ft. Lauderdale, FL Matagorda Island, TX Port Aransas, TX
11/27/78	27°08'N 90°55'W	803	017091 017083 017082 017092	06/01/78 05/30/78 05/30/78 09/08/78	Brown Cedar Cut, TX Between San Bernard River and Sargent Beach Rd, TX Between San Bernard River and Sargent Beach Rd, TX Matagorda Peninsula, TX
			017109 017103	05/21/77 06/24/78	East of High Island, TX Sargent Beach, TX

Table 32. (Continued)

Launch Date	Launch Position	Batch No.	Drifter No.	Recovery Date	Recovery Position
11/28/77	26°56'N 92°02'W	804	017129 017123	06/03/78 08/05/78	San Luis Pass, TX Sargent Beach, TX
11/28/77	27°56'N 91°46'W	805	017143 017145 017156	06/04/78 07/05/78 08/31/78	High Island, TX Freeport, TX N Padre Island, TX
11/28/77	28°10'N 92°39'W	806	017175 017176 017172 017167	05/21/78 05/24/78 06/03/78 06/04/78	Sargent Beach Rd., TX Padre Island, TX Sargent Beach, S Matagorda Bay, TX Corpus Christi, TX
11/29/77	28°36'N 93°29'W	807	017194 017188 017191	05/21/78 05/24/78 05/28/78	Bob Hall Pier, Padre Island, TX Sargent Beach Rd. TX San Bernard River and Gulf, TX

Table 33. Summary of information regarding drifters found and reported which were launched from the R/V GYRE, Cruise 78-G-3, 1-9 April 1978: 20 drifters launched in each batch.

Launch Date	Launch Position	Batch No.	Drifter No.	Recovery Date	Recovery Position
04/01/78	28°37'N 94°11'W	773	016518	04/22/78	Port Aransas, TX
			016510	04/22/78	Mustang Island, TX
			016504	04/28/78	Padre Island, TX
			016517	05/07/78	Padre Island, TX
			016505	05/16/78	Padre Island, TX
04/02/78	27°06'N 93°28'W	774	016527	05/22/78	Sargent Beach, TX
			016536	05/21/78	Between San Bernard and Colorado Rivers
			016540	05/24/78	Sargent Beach, TX
			016528	06/02/78	Between Crystal and Highland Beach, TX
			016535	05/30/78	Between San Bernard River and Sargent Beach, TX
			016531	06/04/78	Sabine Pass, TX
			016522	06/02/78	Port Bolivar Peninsula, TX
			016525	05/27/78	Bolivar Peninsula, TX
			016521	06/24/78	Sargent Beach, TX
			016537	09/02/78	Bolivar Peninsula, TX
04/02/78	26°12'N 93°14'W	775	016559	05/19/78	Ranger Station, Padre Island, TX
			016549	06/04/78	N Padre Island, TX
			016541	06/04/78	Nat'l. Seashore, Padre Island, TX
			016546	06/10/78	Corpus Christi, TX
			016558	08/10/78	N Padre Island, TX
			016548	10/07/78	Padre Island, TX
04/03/78	25°19'N 93°00'W	776	016562	08/02/78	Corpus Christi, TX
			016576	07/22/78	Sargent Beach, TX
			016564	07/30/78	Sargent Beach, TX
			016563	08/28/78	Freeport, TX
			016578	08/24/78	Galveston, TX

Table 33. (Continued)

Launch Date	Launch Position	Batch No.	Drifter No.	Recovery Date	Recovery Position
04/03/78	24°28'N 92°49'W	816	017366 017377 017362	07/05/78 08/05/78 09/22/78	Sargent Beach, TX Sargent Beach, TX Sargent Beach, TX
04/02/78	27°55'N 93°36'W	817	017385 017384 017394 017392 017396	05/24/78 05/22/78 05/24/78 08/05/78 03/ /78	Between Sabine Pass and High Island, TX Gilchrist, TX Galveston, TX Sargent Beach, TX Mouth of Brazos River, TX
04/03/78	23°39'N 92°37'W	818	017416 017415	07/27/78 09/22/78	Matagorda, TX Sargent Beach, TX
04/06/78	22°53'N 92°53'W	819	017423 017433 017437 017434 017421	06/26/78 06/23/78 07/18/78 09/30/78 11/21/78	San Luis Pass, TX Sargent Beach, TX Matagorda Beach, TX Matagorda Beach, TX Port Isabel, Padre Island, TX
04/06/78	22°08'N 92°19'W	820	017449 017453 017452 017441 017447 017448	06/06/78 07/02/78 06/29/78 08/02/78 09/13/78 09/15/78	Padre Island, TX Padre Island, TX S Padre Island, TX Padre Island Nat'l. Seashore, TX Padre Island, TX Sabine Pass, TX
04/06/78	22°17'N 93°26'W	821	017463 017462	07/01/78 10/14/78	Brown Cedar Cut, TX San Luis Pier, TX
04/06/78	22°21'N 94°22'W	822	017492	07/30/78	Sargent Beach, TX

Table 33. (Continued)

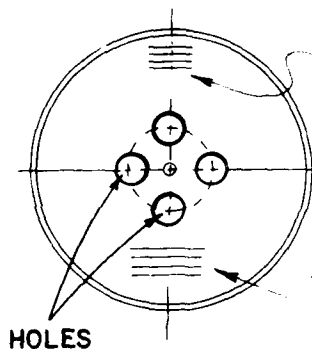
Launch Date	Launch Position	Batch No.	Drifter No.	Recovery Date	Recovery Position
04/07/78	22°26'N 95°13'W	823	017511	06/10/78	Port O'Conner, TX
04/07/78	22°27'N 96°09'W	824	017534	06/04/78	Malaquite Beach, Padre Island, TX
04/07/78	22°50'N 96°00'W	825	017544	06/04/78	S Padre Island, TX
			017541	06/12/78	Matagorda Peninsula, TX
			017555	06/07/78	S Padre Island, TX
			017553	09/22/78	Sargent Beach, TX
			017546	09/06/78	Matagorda Island, TX
			017549	11/22/78	High Island, TX
04/08/78	23°20'N 95°53'W	826	017561	06/12/78	St. Joseph Island, TX
			017580	06/06/78	Port Isabel, TX
			017574	09/04/78	Corpus Christi, TX
			017570	09/10/78	S Padre Island, TX
04/08/78	23°40'N 95°06'W	827	017594	05/30/78	Padre Island Nat'l. Seashore, TX
04/08/78	24°03'N 94°13'W	828	017605	07/09/78	Matagorda Island, TX
			017618	08/ /78	Mansfield Pass, S Padre Island, TX
			017614	09/09/78	Sargent Beach, TX
04/09/78	24°50'N 94°38'W	829	017637	05/28/78	N Padre Island, TX
			017639	05/28/78	Padre Island, TX
04/09/78	25°20'N 95°37'W	830	017642	08/08/78	Sargent Beach, TX
			017655	08/26/78	Matagorda, TX
			017646	08/29/78	Mustang Island, TX
			017659	08/25/78	Mustang Island, TX
			017652	08/25/78	Sargent Beach, TX
			017658	08/25/78	Sargent Beach, TX
			017641	08/31/78	N Padre Island, TX

Table 34. Summary of information regarding drifters found and reported which were launched from the R/V GYRE, Cruise 78-G-4, 24 April - 8 May 1978: 20 drifters launched in each batch.

Launch Date	Launch Position	Batch No.	Drifter No.	Recovery Date	Recovery Position
04/24/78	18°43'N 64°04'W	831			
04/25/78	18°01'N 63°37'W	832			
04/25/78	17°13'N 63°06'W	833			
04/25/78	16°28'N 62°41'W	834	017735	11/16/78	N Daytona Beach, FL
04/25/78	15°52'N 62°11'W	835	017752	09/12/78	Port Royal, Kingston, Jamaica
04/25/78	14°57'N 61°35'W	836	017780 017767 017776	09/23/78 11/04/78 11/04/78	Hobe Sound, FL Singer Island, FL Palm Beach, FL
05/07/78	14°40'N 61°20'W	837			
05/07/78	15°27'N 61°54'W	838	017801	10/11/78	Boca Raton, FL
05/07/78	16°14'N 62°23'W	839			
05/07/78	16°49'N 62°45'W	840			
05/08/78	17°50'N 63°30'W	841	017865	05/21/78	E. Virgin Gorda, Virgin Islands, British West Indies
			017868	05/21/78	E. Virgin Gorda, Virgin Islands, British West Indies
			017874	05/19/78	W. Virgin Gorda, Virgin Islands, British West Indies
05/08/78	18°25'N 63°56'W	842			

Table 35. Summary of information regarding drifters found and reported which were launched from the R/V GYRE, Cruise 78-G-8, 11-14 September 1978: 20 drifters launched in each batch.

Launch Date	Launch Position	Batch No.	Drifter No.	Recovery Date	Recovery Position
09/11/78	24°08'N 85°01'W	808			
09/11/78	24°05'N 86°47'W	809			
09/11/78	23°50'N 88°36'W	810			
09/12/78	23°47'N 90°26'W	811			
09/13/78	23°52'N 92°19'W	812			
09/13/78	25°07'N 91°02'W	813			
09/14/78	26°16'N 89°34'W	814			
09/14/78	27°21'N 88°13'W	815			



ONE DOLLAR REWARD FOR RETURN OF
SERIAL NO. WITH DATE FOUND, LOCATION
YOUR NAME AND ADDRESS TO: OCEANOGRAPHY
DEPT. CODE RDP, TEXAS A&M UNIV.
COLLEGE STATION, TEXAS 77843 USA

SE TAGA UN DOLLAR POR DEVOLVER EL NUMERO
DE SERIE CON LA FRECHA ENCONTRADA, LA
LOCACION SU NUMBREY DIRECCION A
OCEANOGRAPHY DEPT. CODE RDP, TEXAS A&M
UNIV. COLLEGE STATION, TEXAS 77843 USA

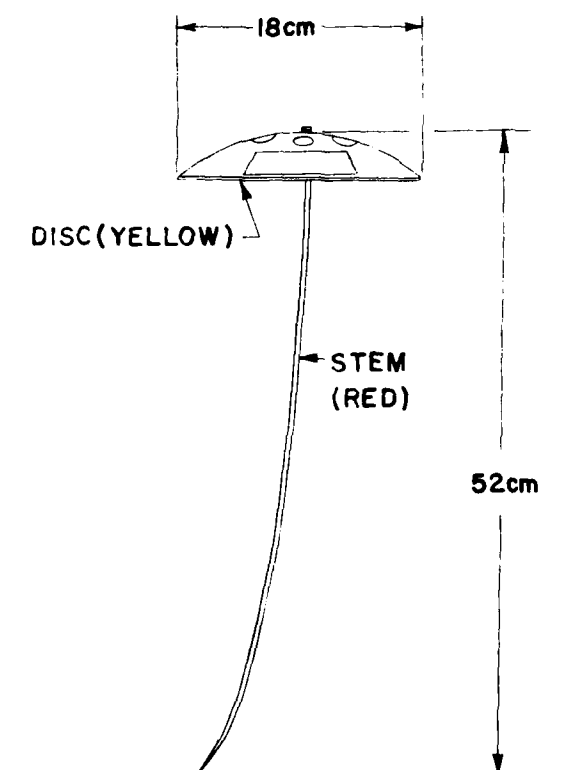


Figure 1. Dimensions of plastic Woodhead surface drifters used in this study showing inscription printed on the drifters.

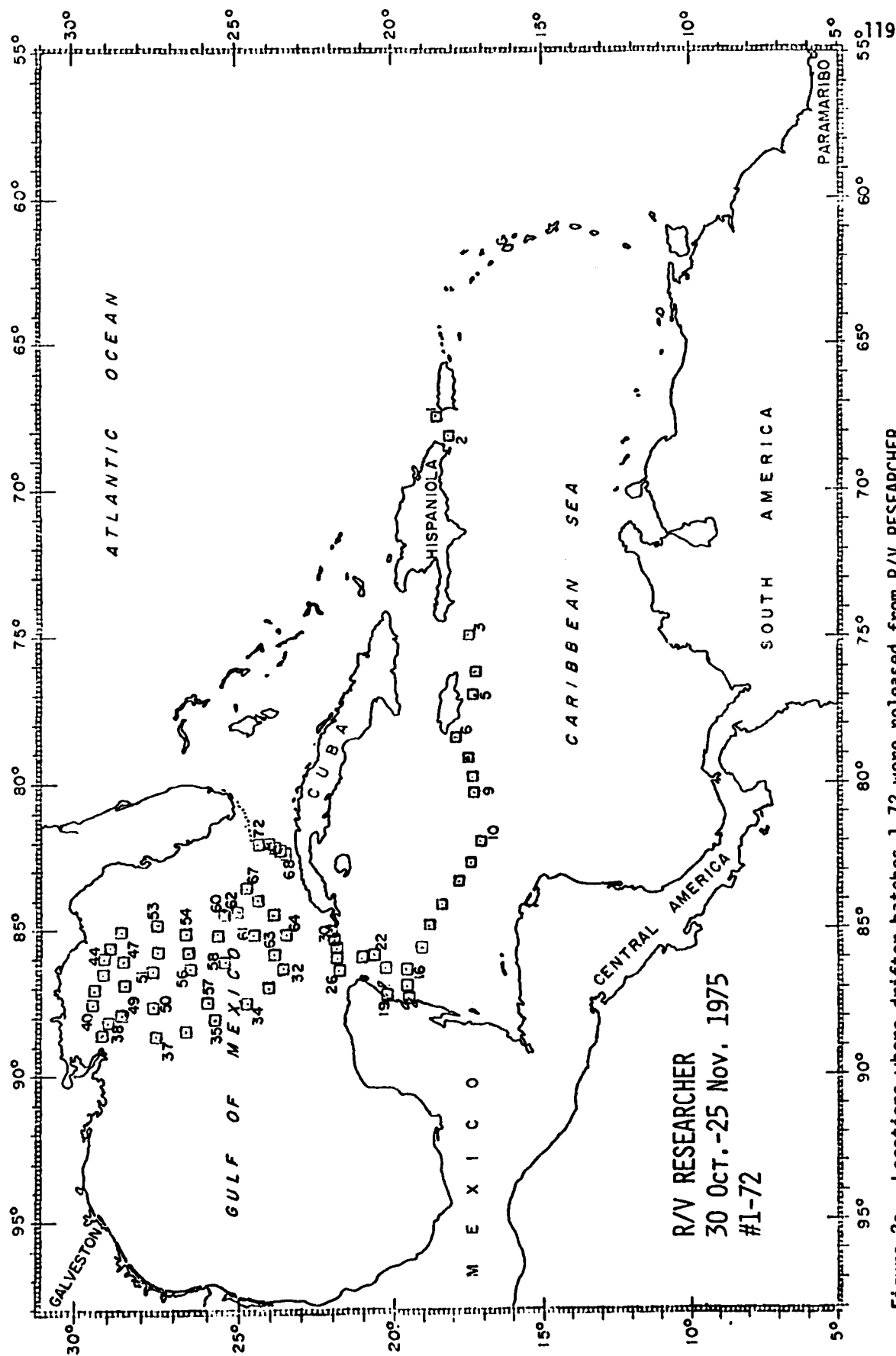


Figure 2a. Locations where drifter batches 1-72 were released from R/V RESEARCHER.

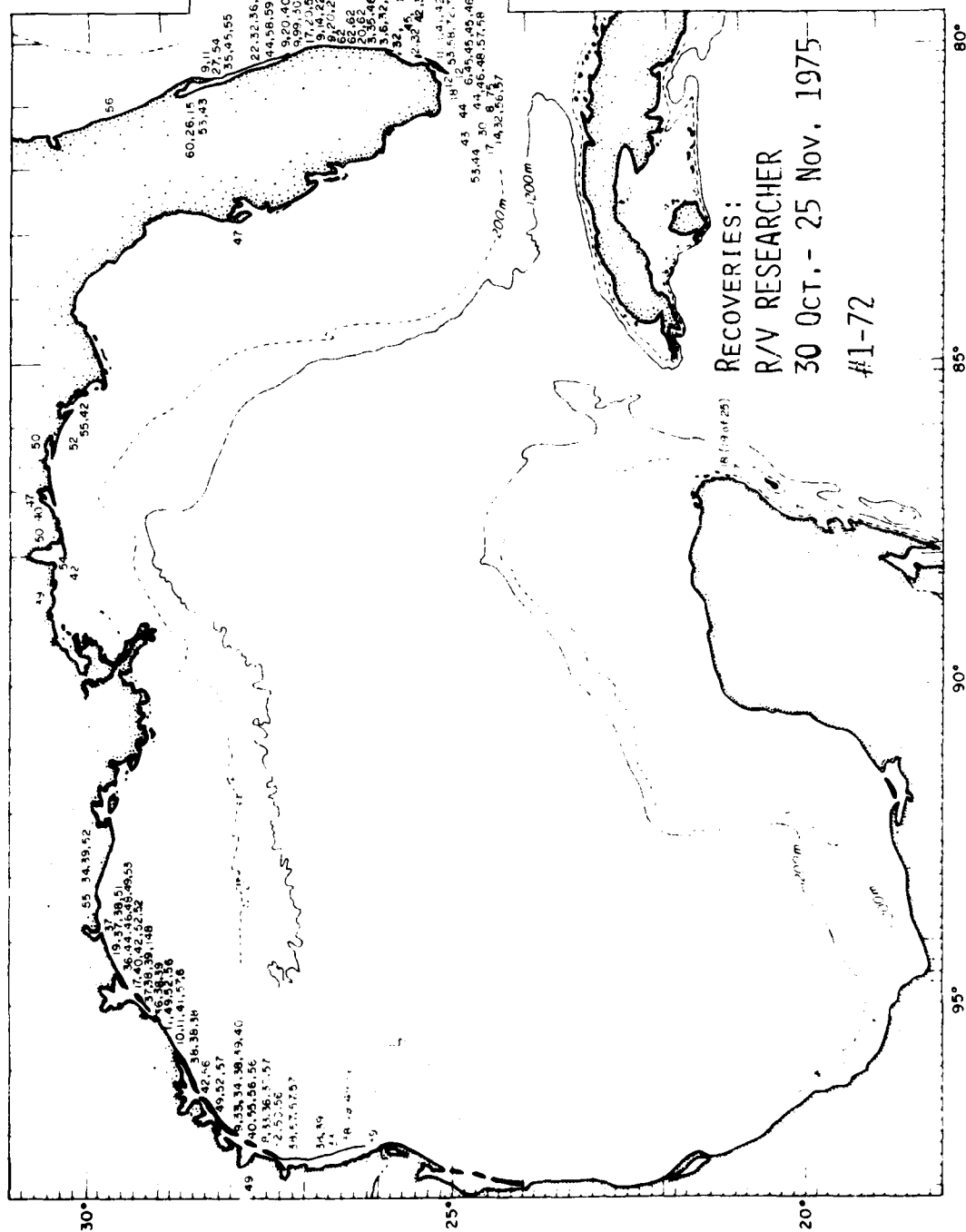


Figure 2b. Locations where drifters from batches 1-72 were reported as found.

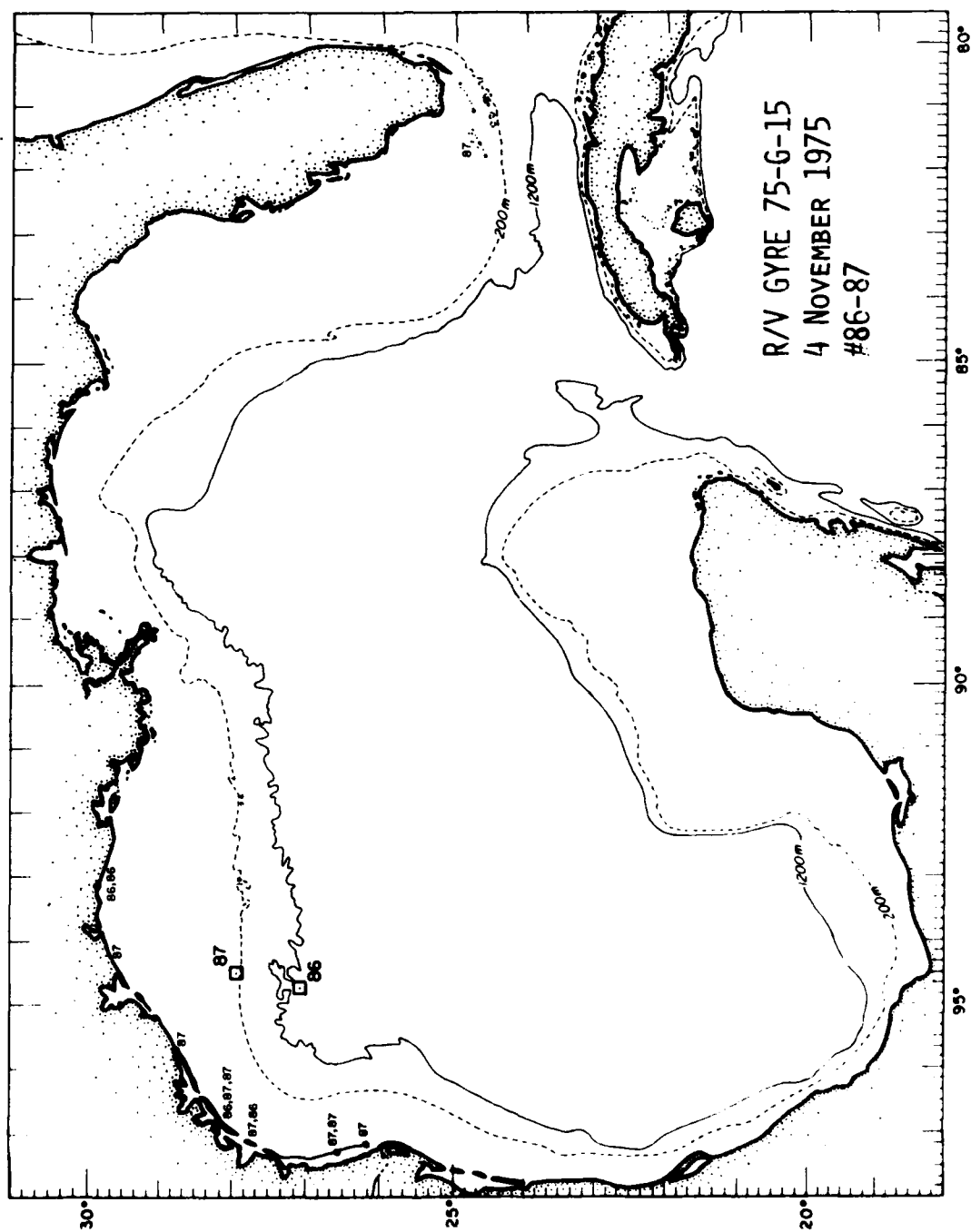


Figure 3. Locations of launches (denoted by squares and batch numbers) and recoveries for batches 86 and 87.

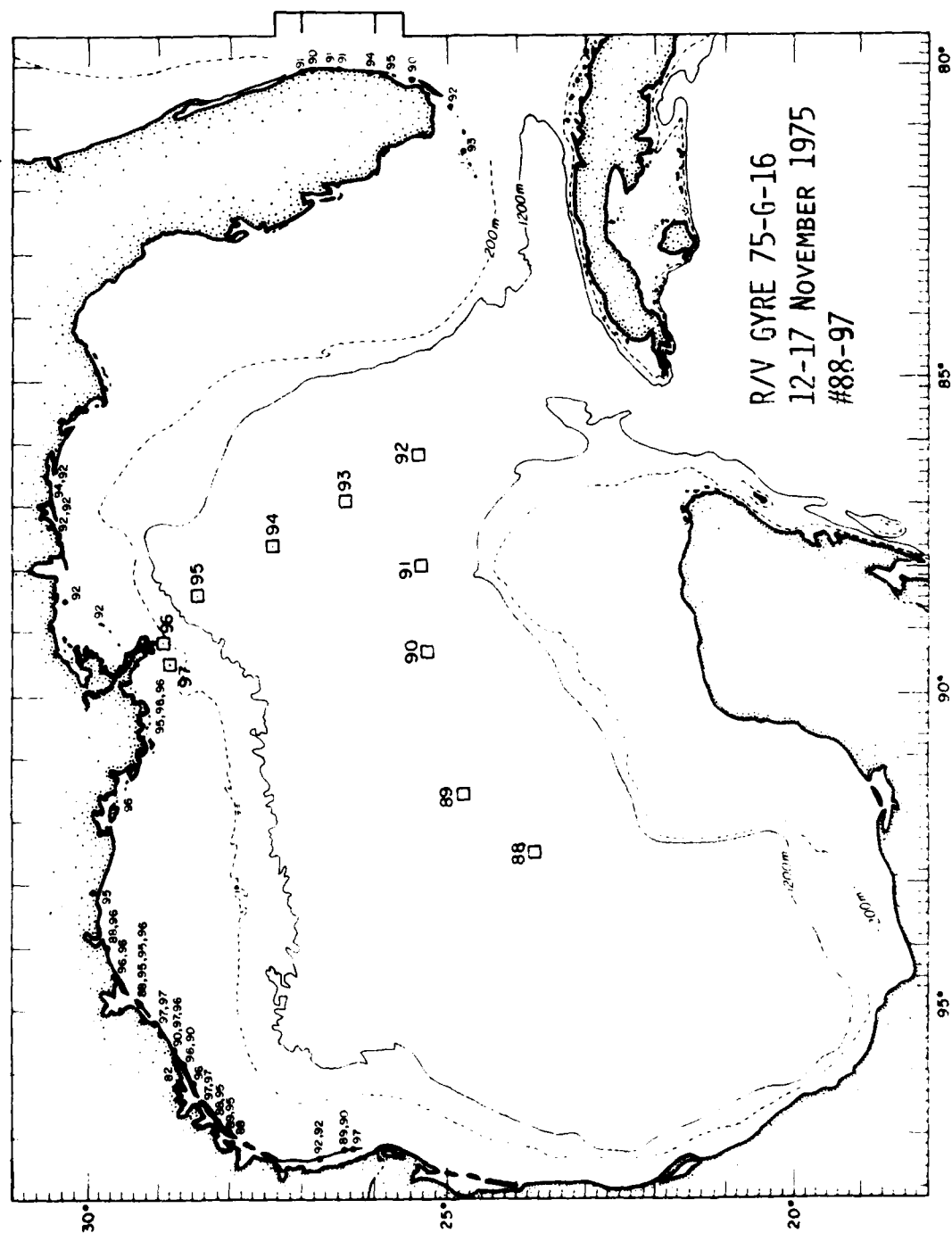
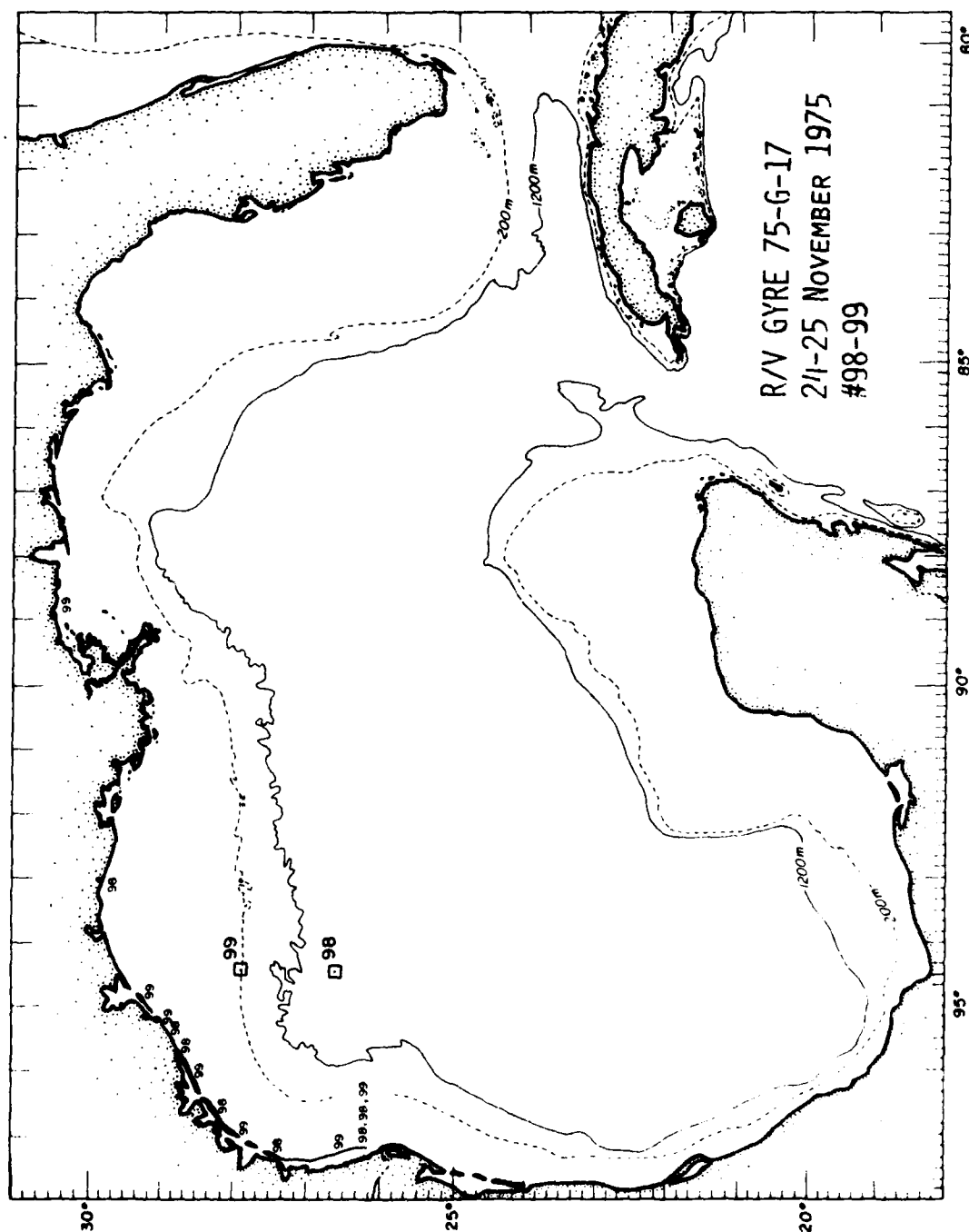


Figure 4. Locations of launches (denoted by squares and batch numbers) and recoveries for batches 88-97.



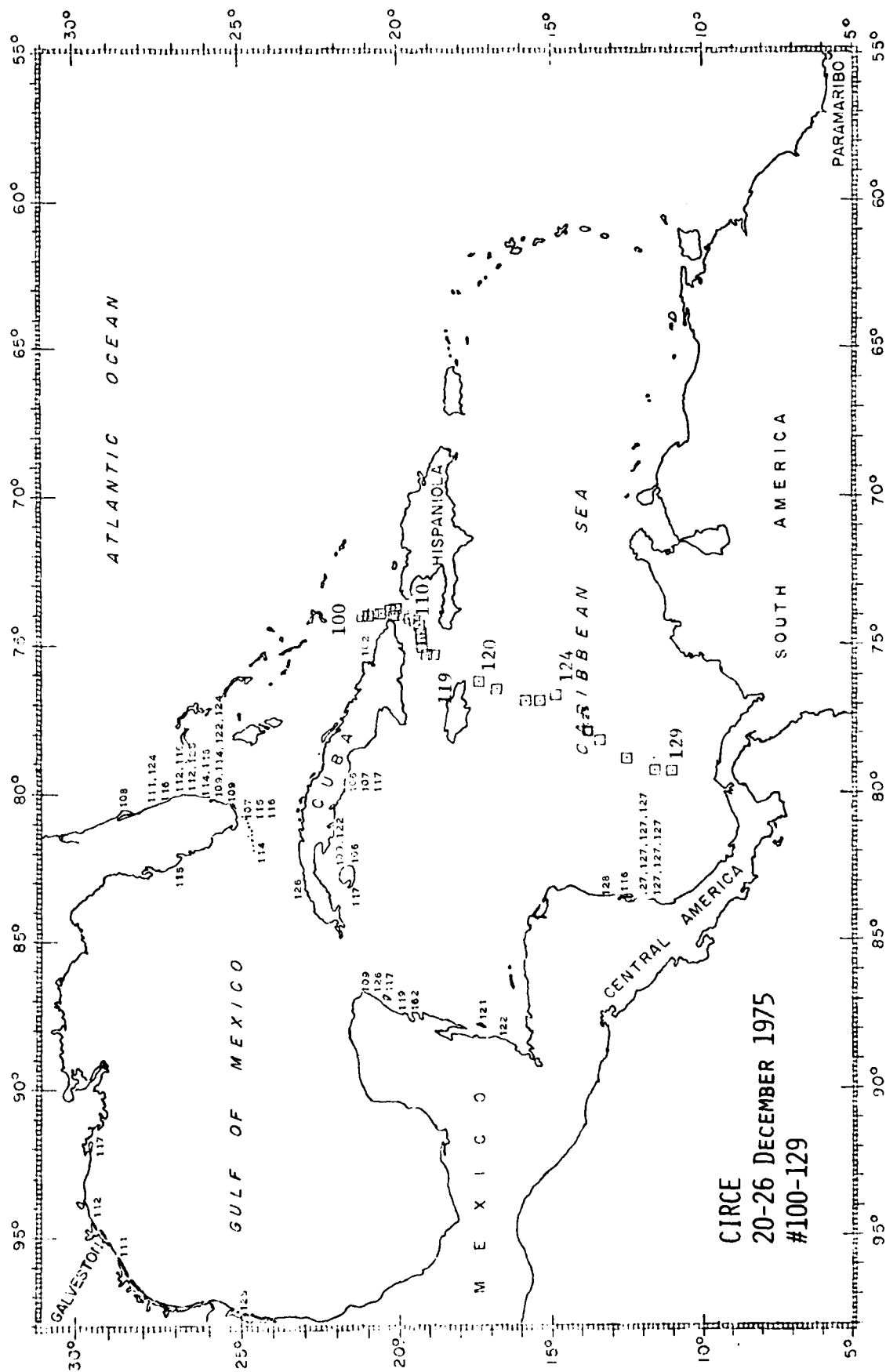


Figure 6. Locations of launches (denoted by squares and batch numbers) and recoveries for batches 100-129.

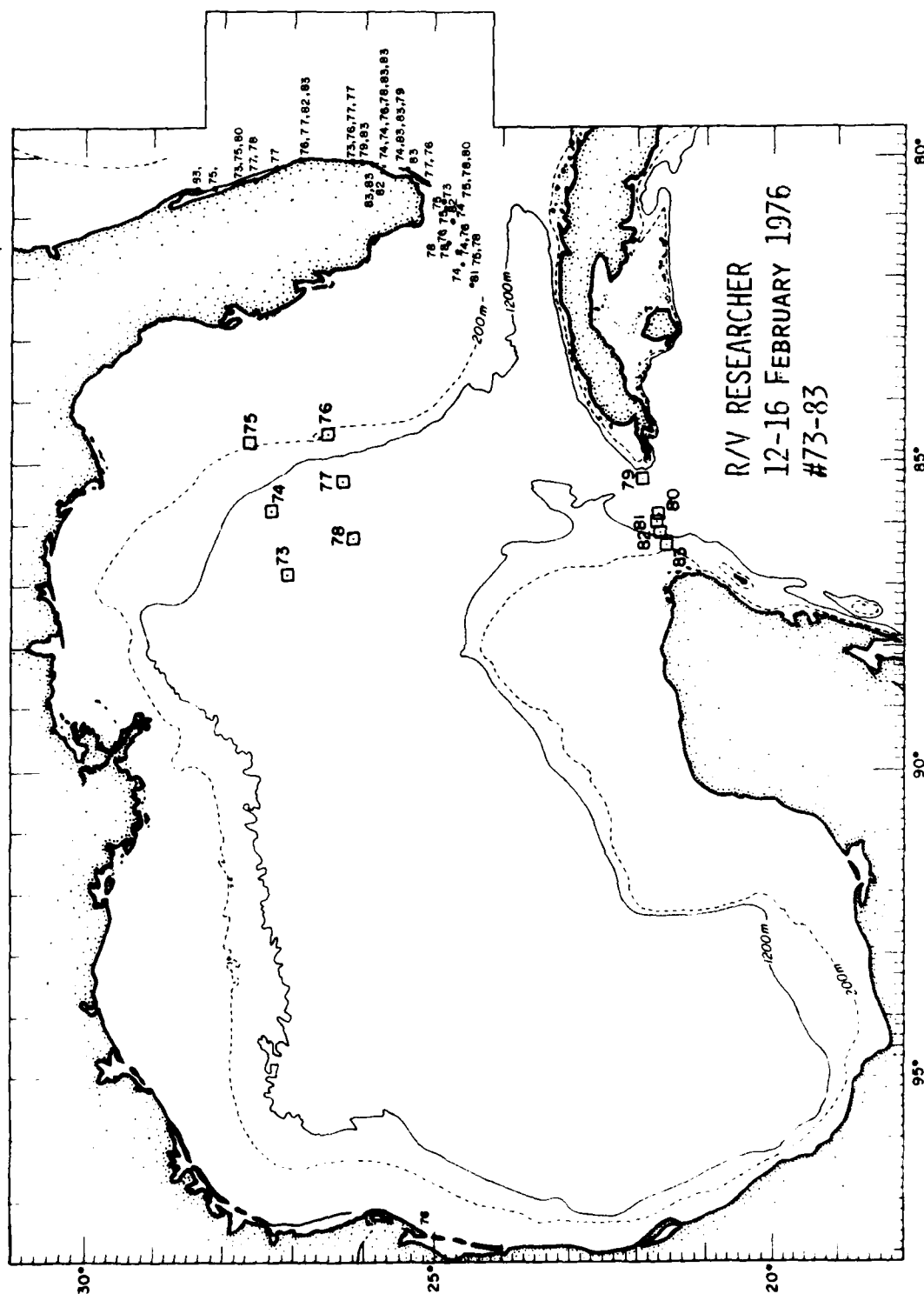


Figure 7. Locations of launches (denoted by squares and batch numbers) and recoveries for batches 73-83.

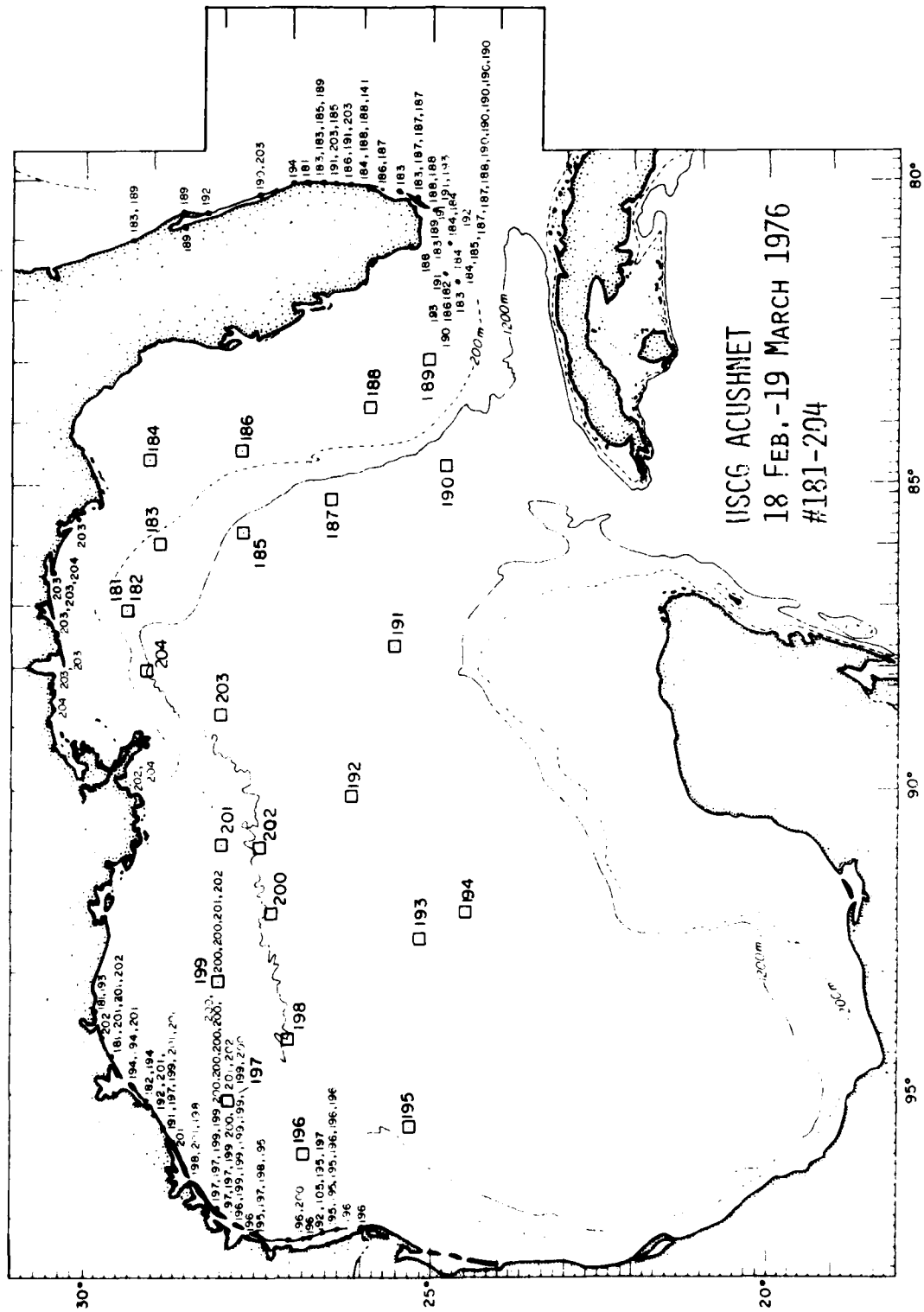


Figure 8. Locations of launches (denoted by squares and batch numbers) and recoveries for batches 181-204.

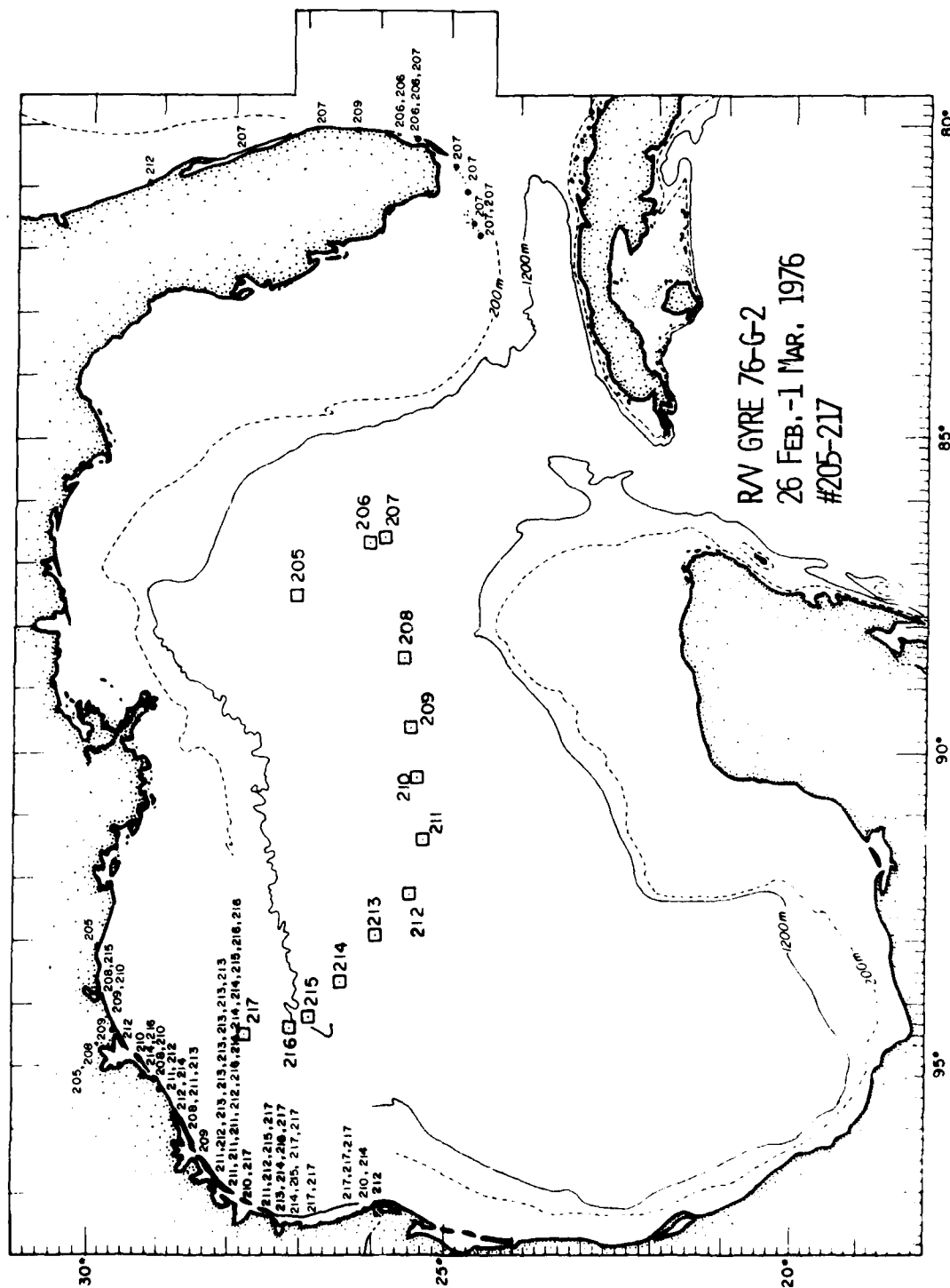


Figure 9. Locations of launches (denoted by squares and batch numbers) and recoveries for batches 205-217.

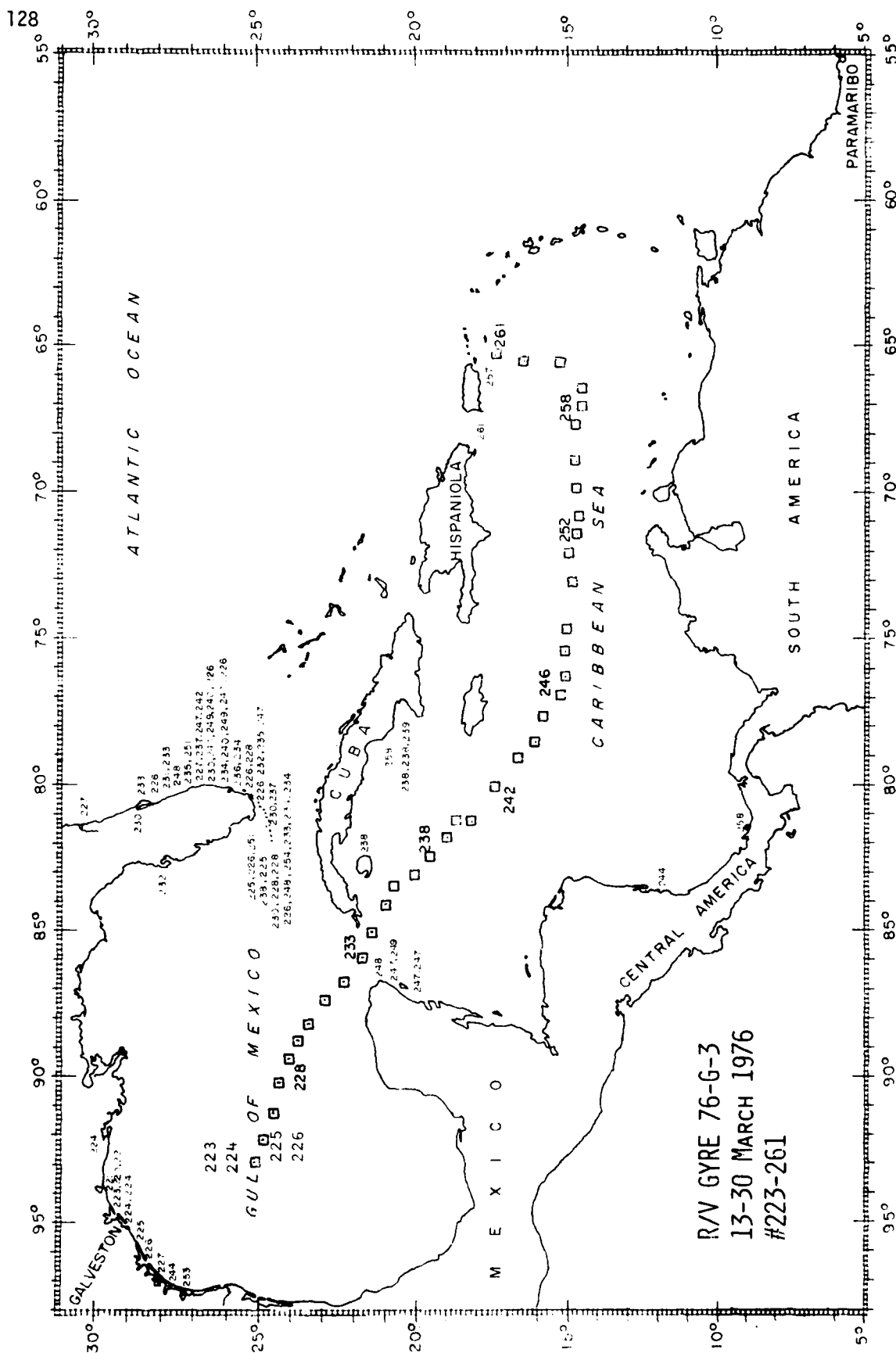


Figure 10. Locations of launches (denoted by squares and batch numbers) and recoveries for batches 223-261.

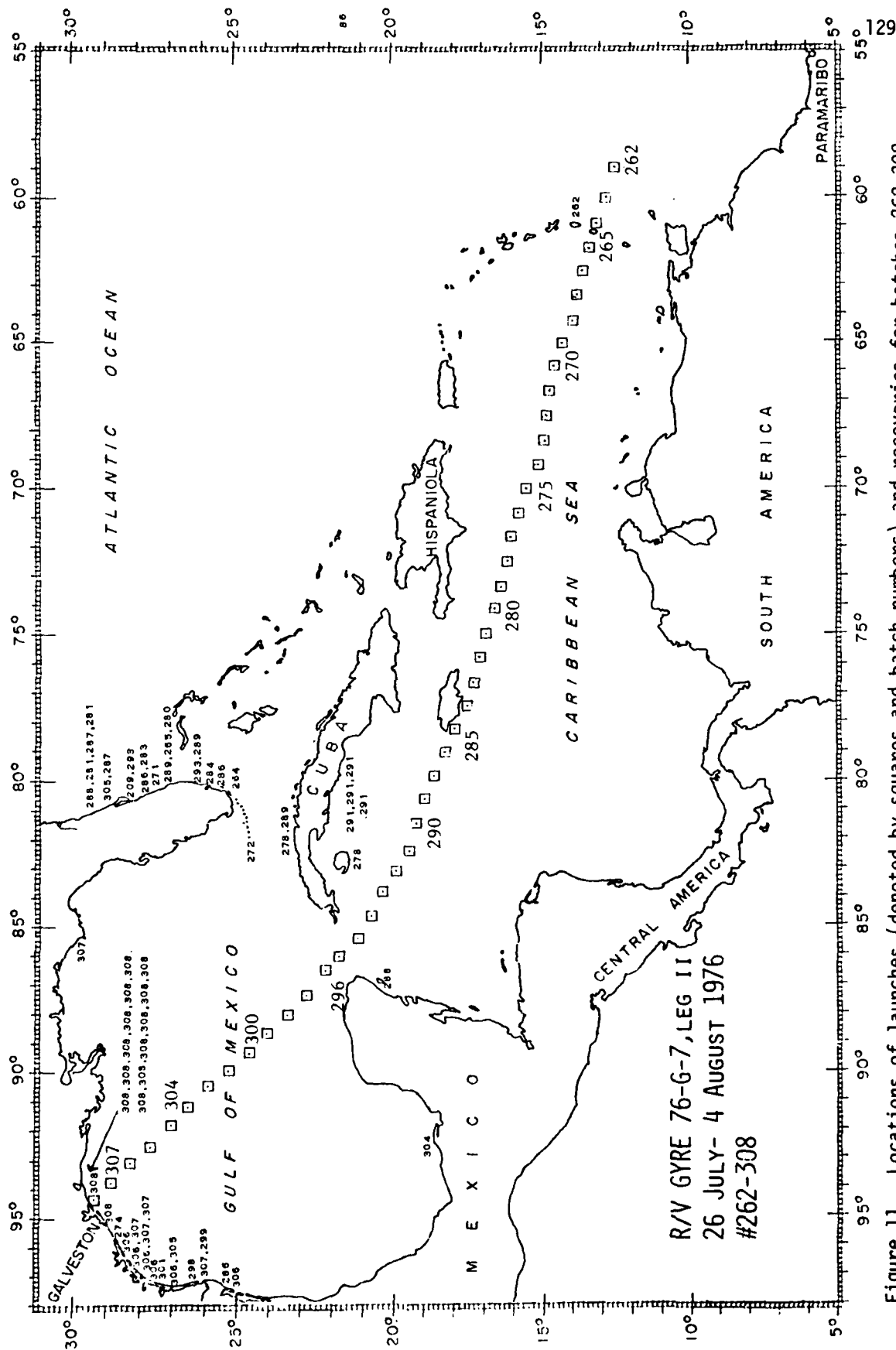


Figure 11. Locations of launches (denoted by squares and batch numbers) and recoveries for batches 262-308.

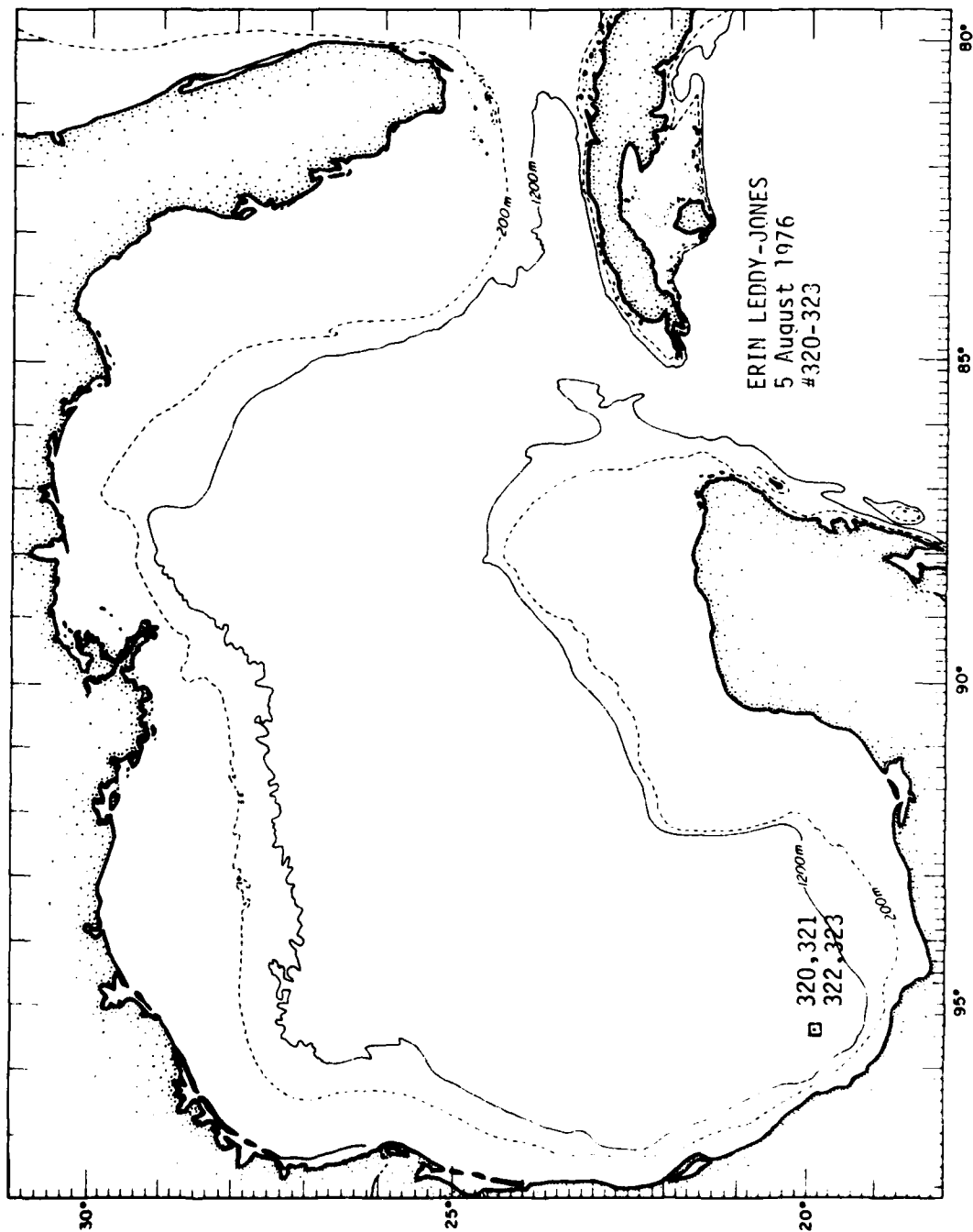


Figure 12. Locations where drifter batches 320-323 were released from ERIN LEDDY-JONES. No recoveries were reported.

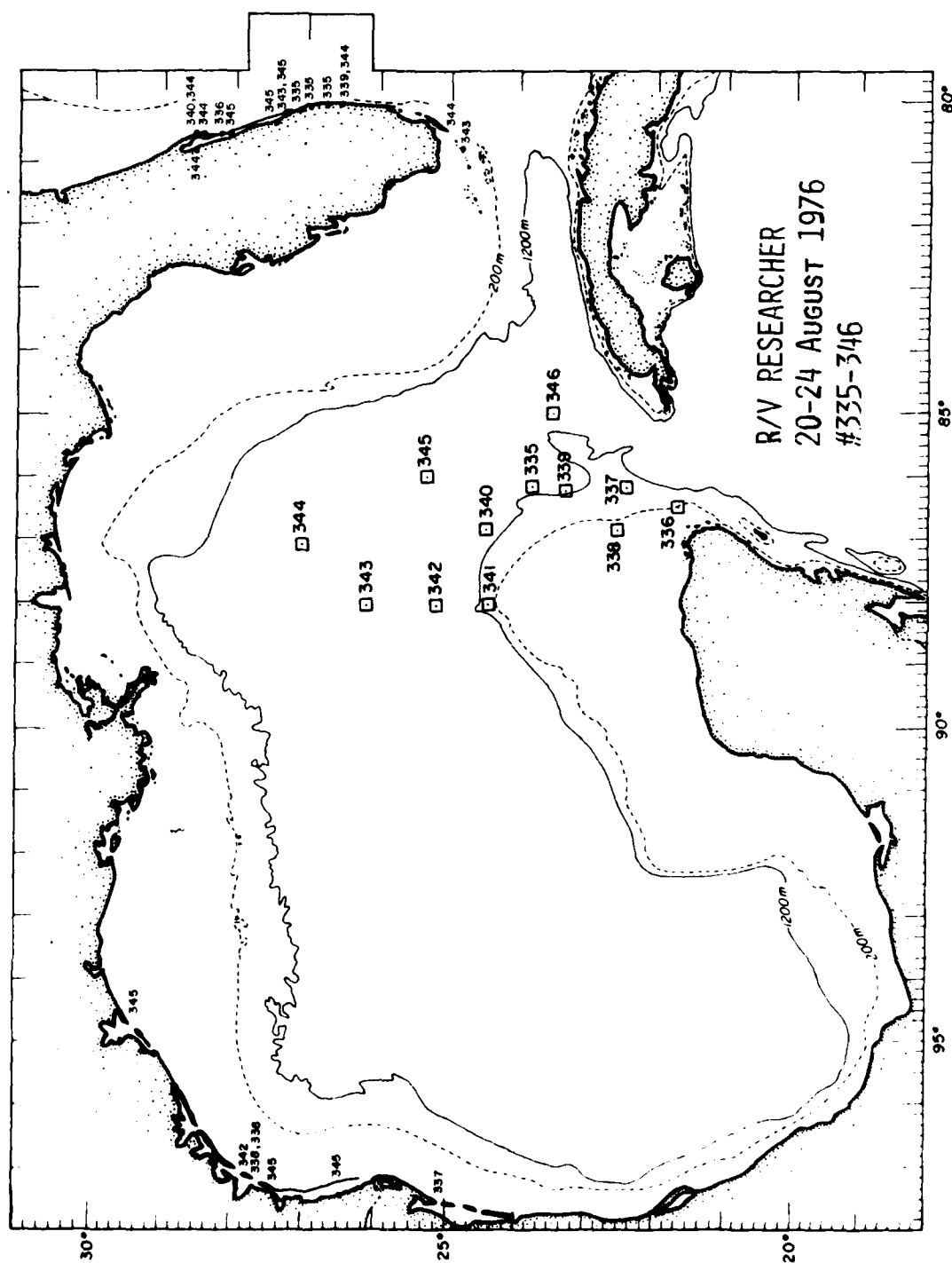


Figure 13. Locations of launches (denoted by squares and batch numbers) and recoveries for batches 335-346.

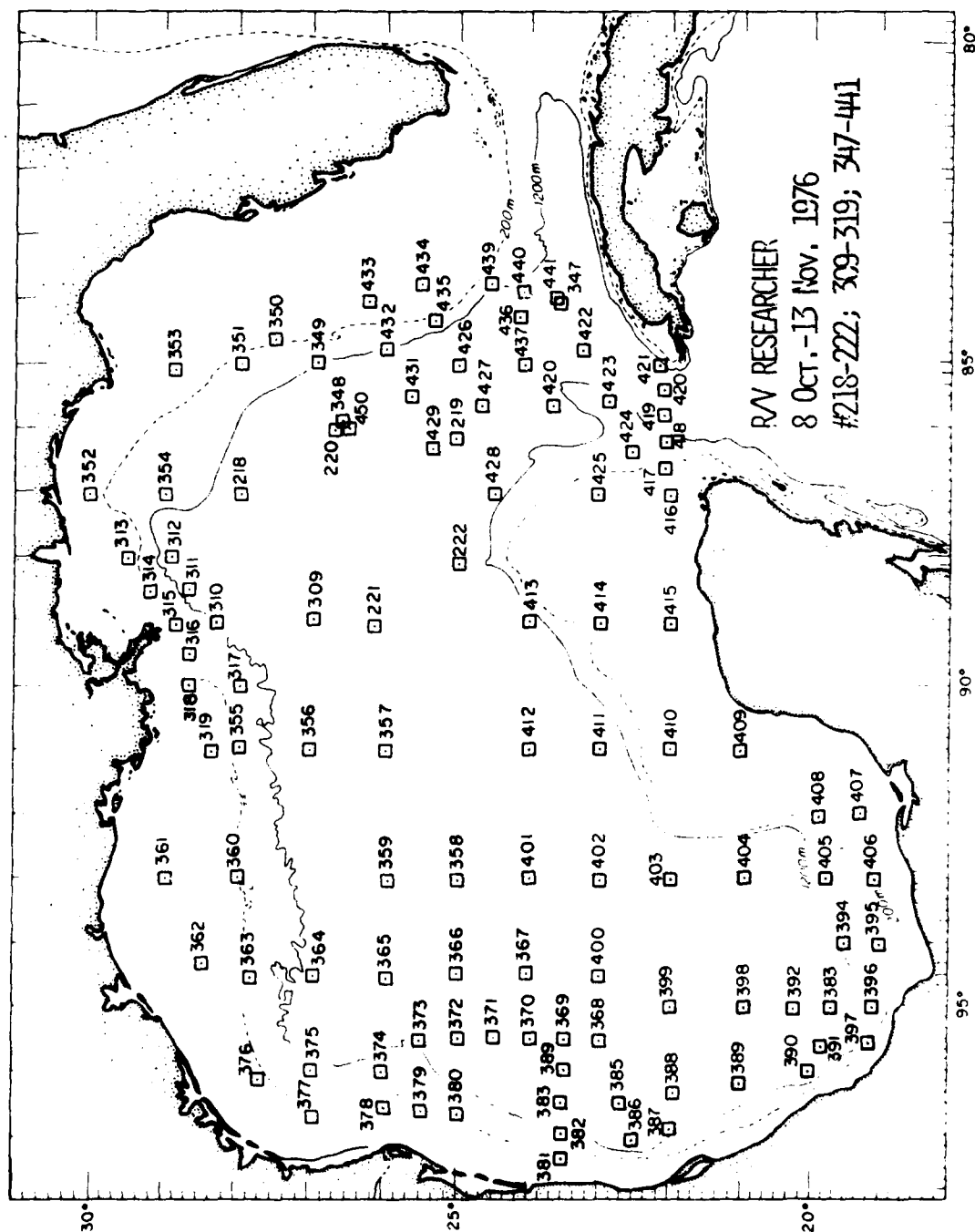


Figure 14a. Locations where drifter batches 218-222, 309-319 and 347-441 were released from R/V RESEARCHER.

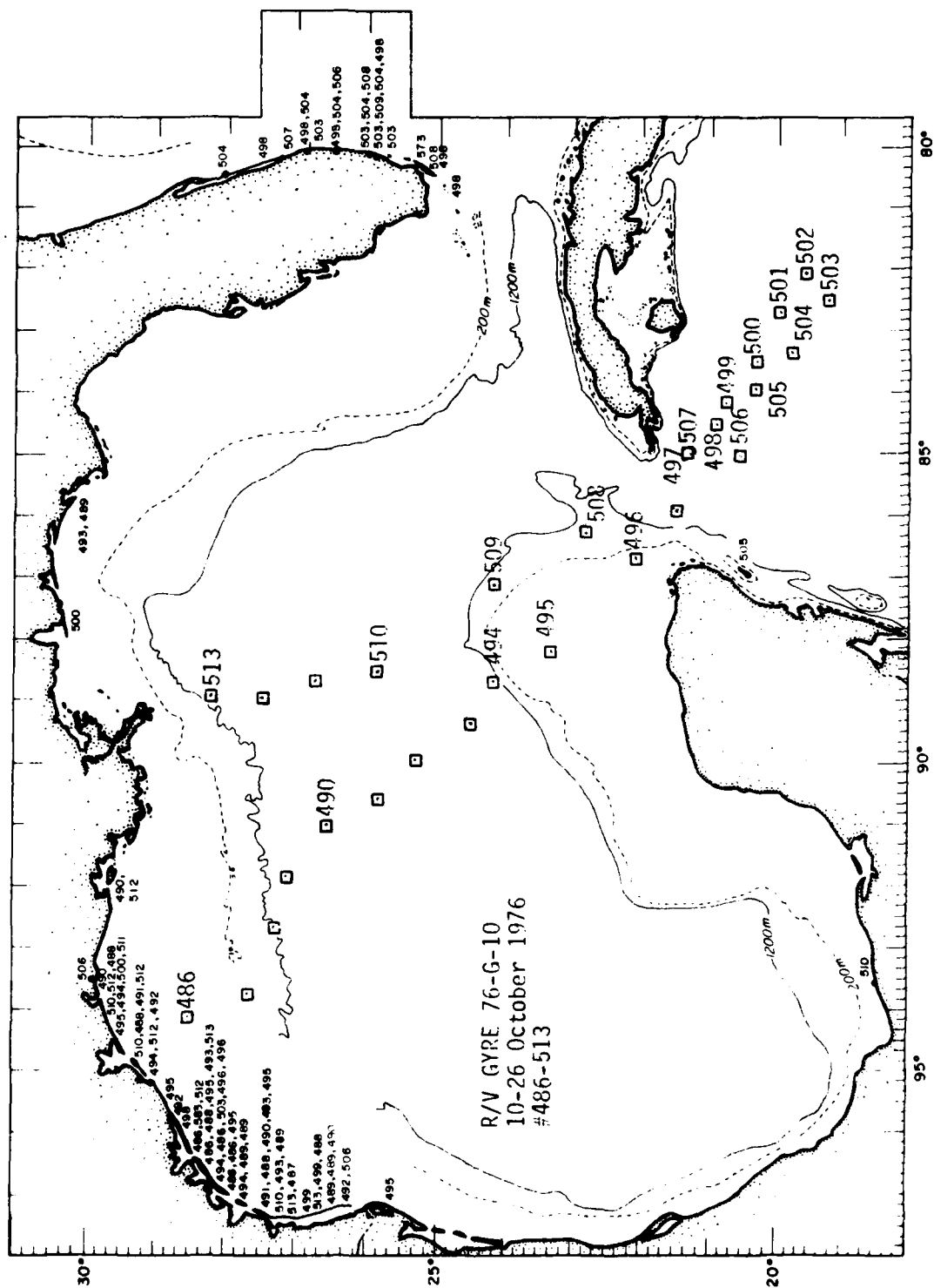


Figure 15. Locations of launches (denoted by squares and batch numbers) and recoveries for batches 486-513.

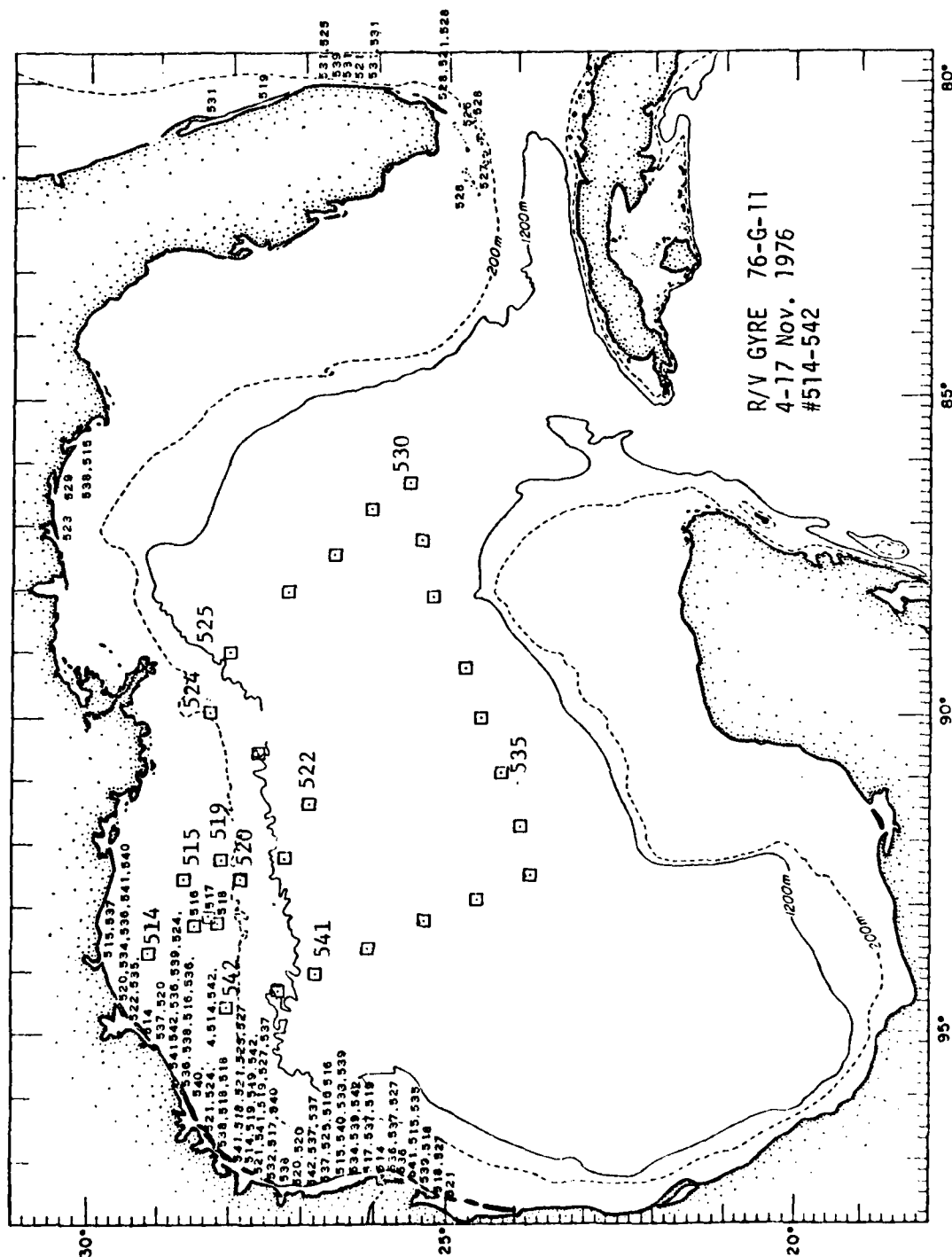


Figure 16. Locations of launches (denoted by squares and batch numbers) and recoveries for batches 514-542.

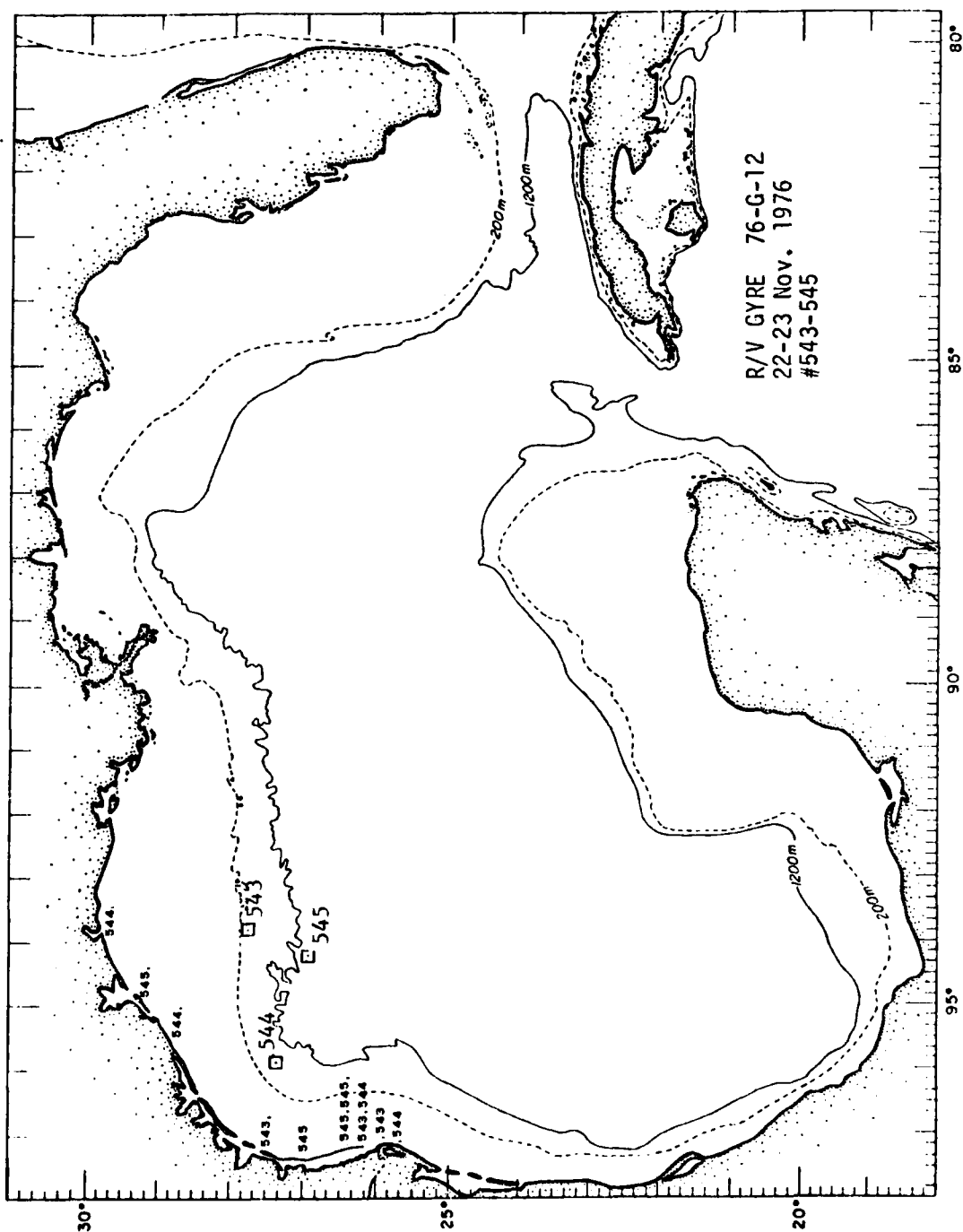


Figure 17. Locations of launches (denoted by squares and batch numbers) and recoveries for batches 543-545.

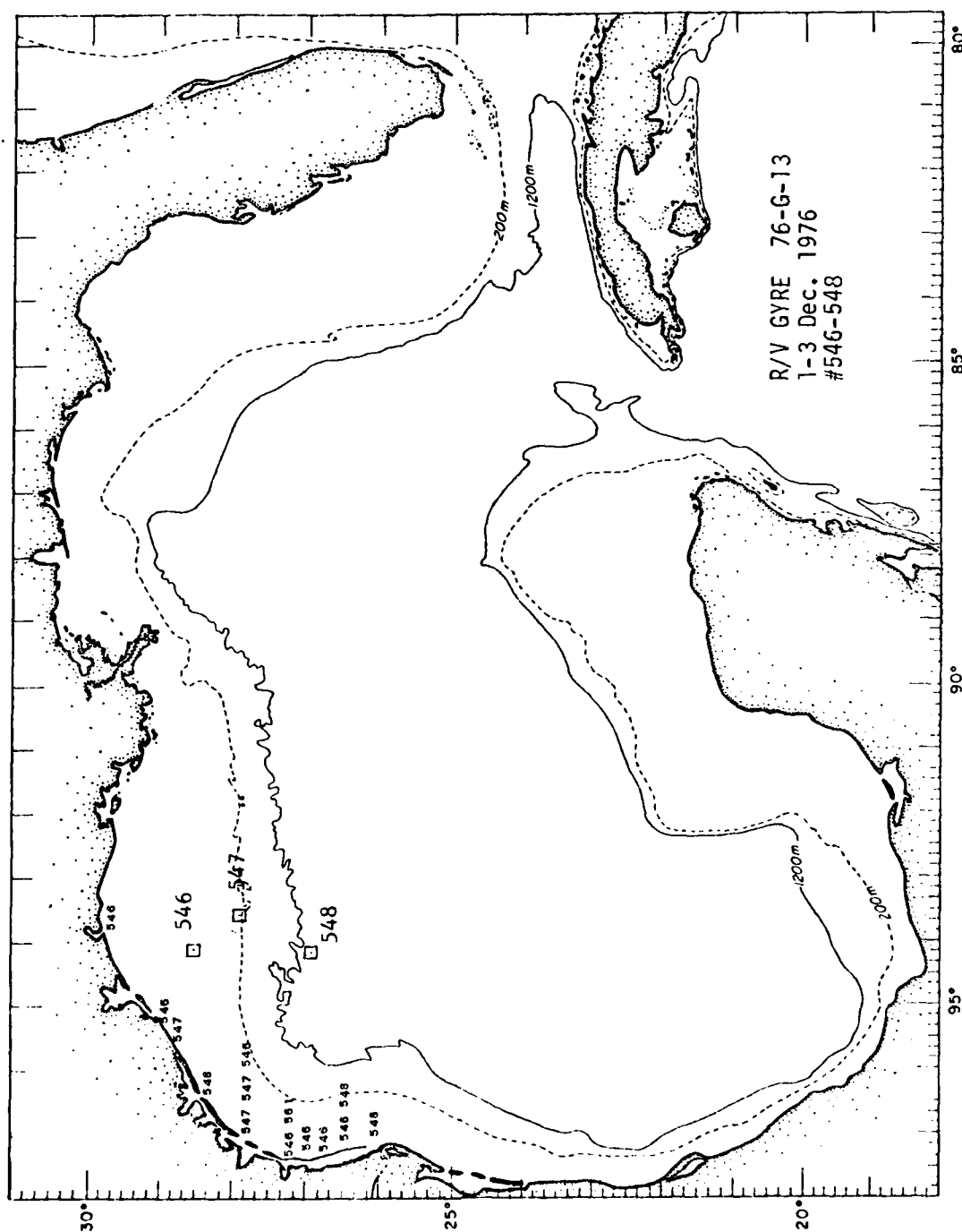


Figure 18. Locations of launches (denoted by squares and batch numbers) and recoveries for batches 546-548.

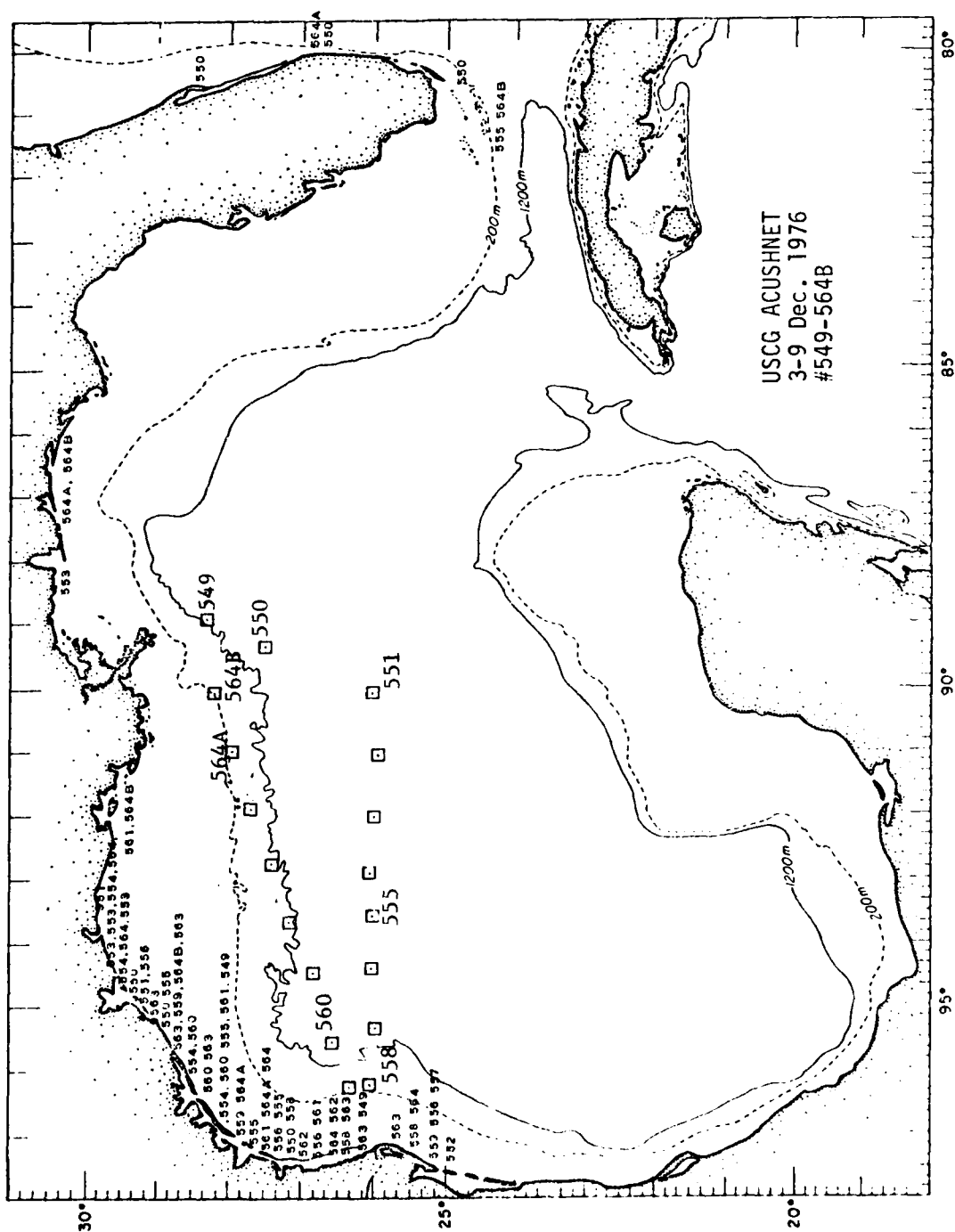


Figure 19. Locations of launches (denoted by squares and batch numbers) and recoveries for batches 549-564B.

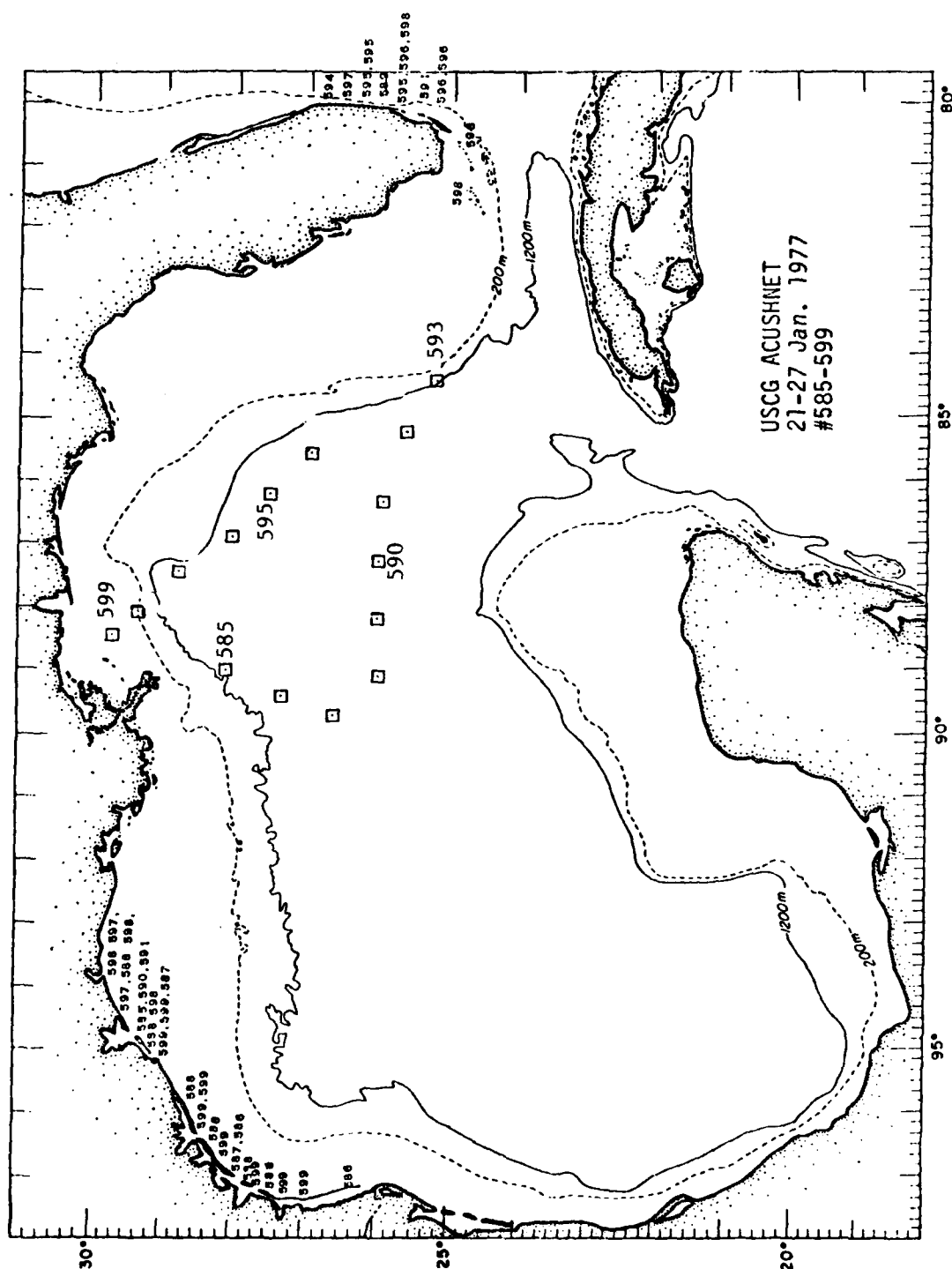


Figure 20. Locations of launches (denoted by squares and batch numbers) and recoveries for batches 585-599.

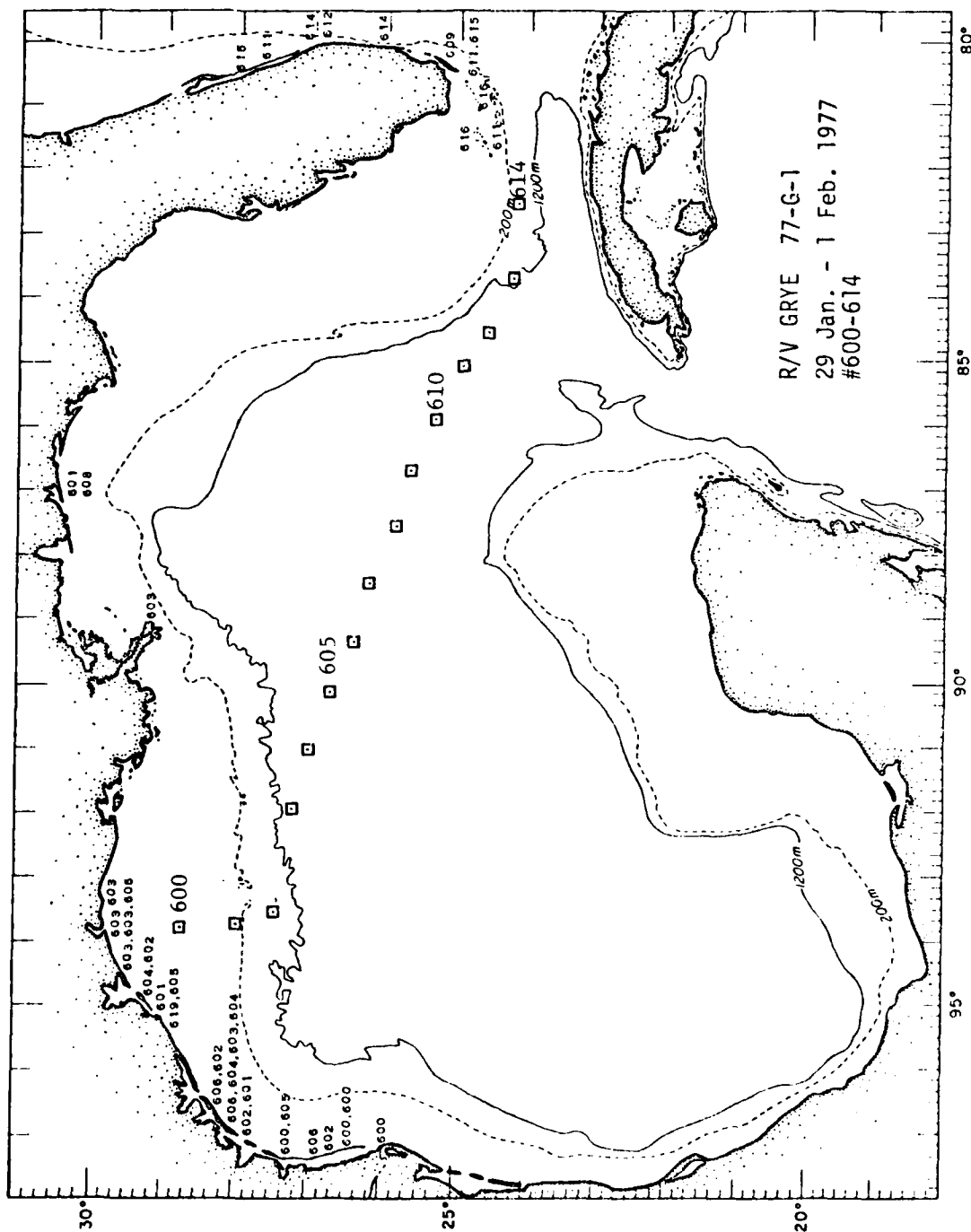


Figure 21a. Locations of launches (denoted by squares and batch numbers) and recoveries for batches 600-614.

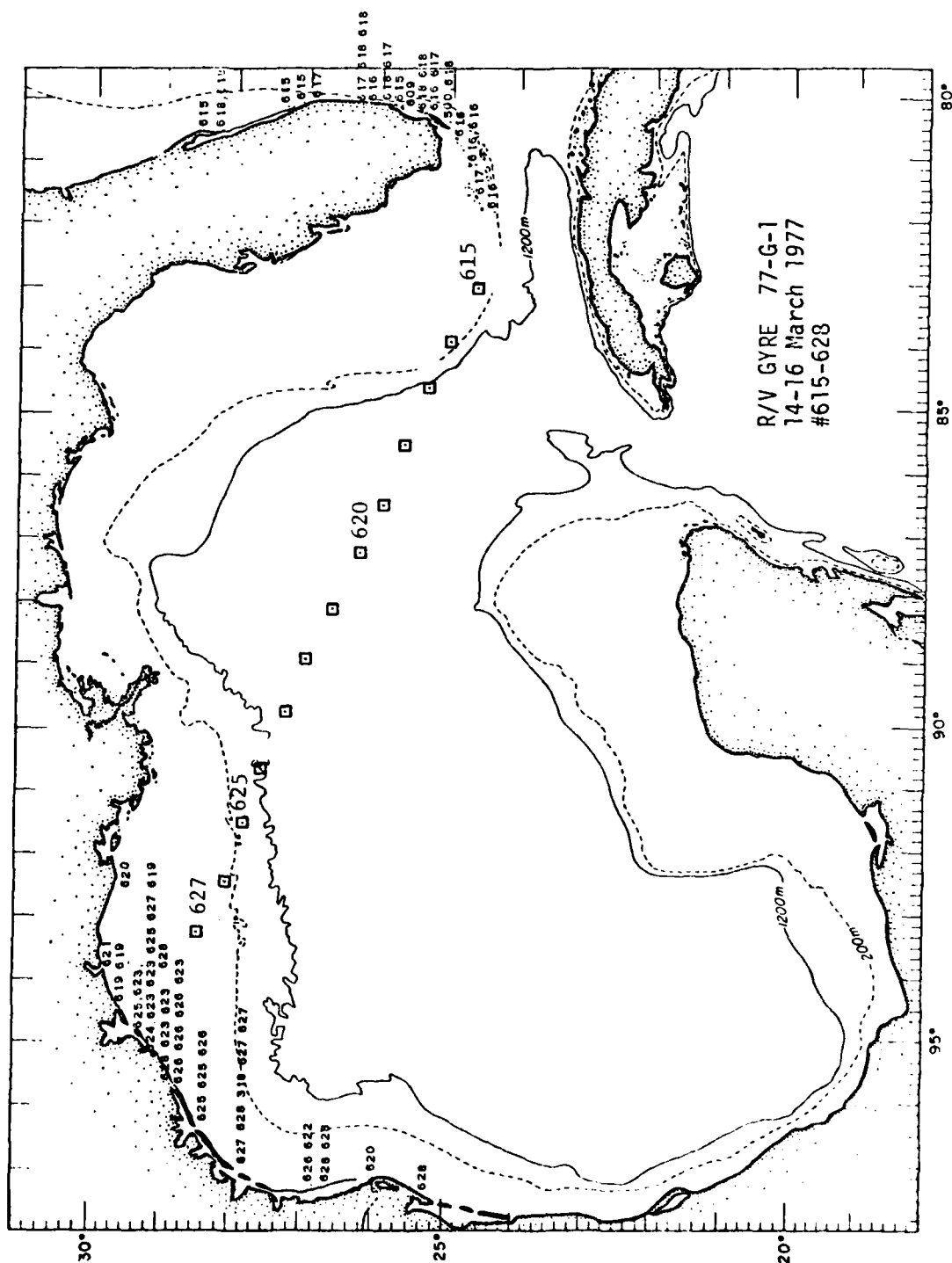


Figure 21b. Locations of launches (denoted by squares and batch numbers) and recoveries for batches 615-628.

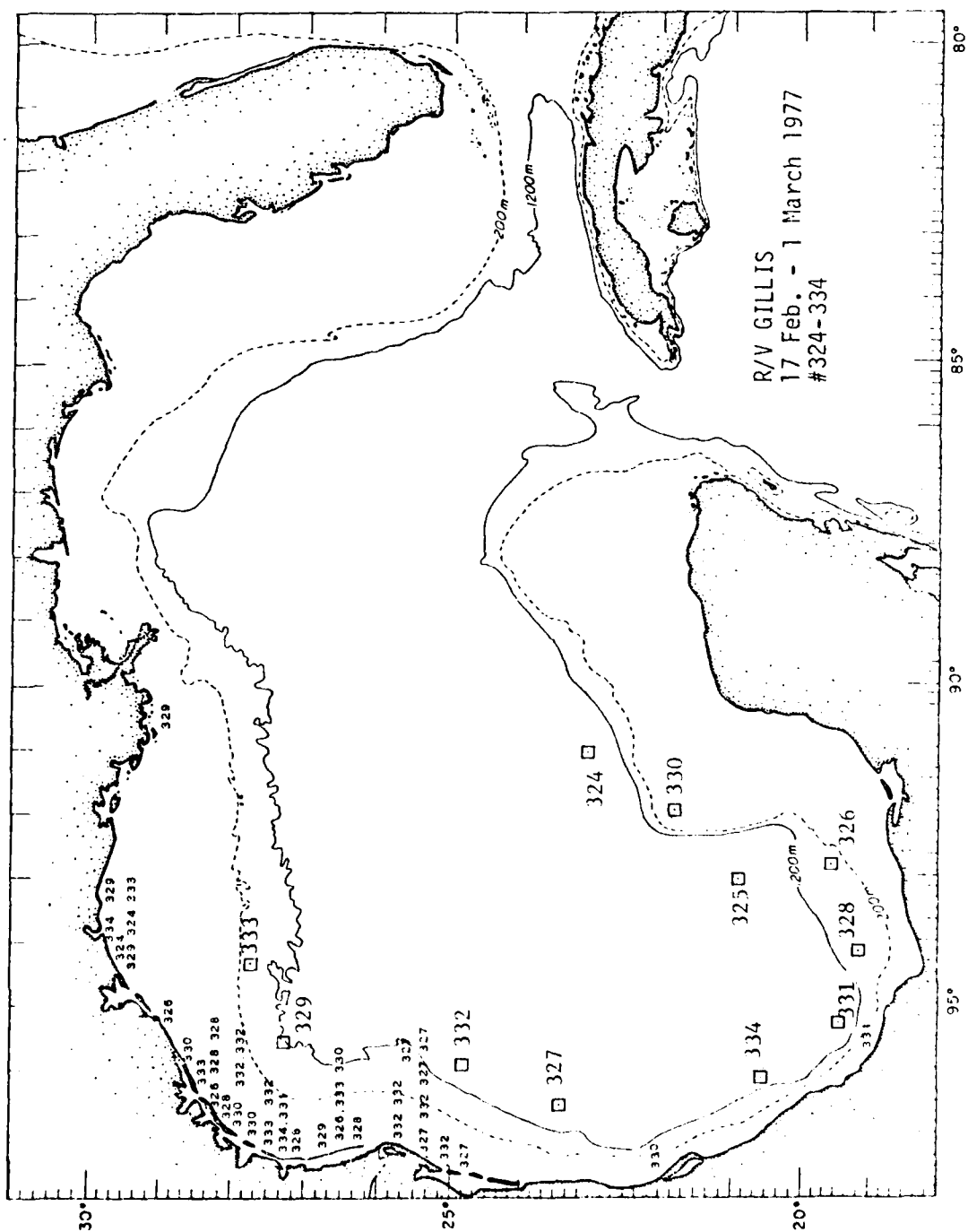


Figure 22. Locations of launches (denoted by squares and batch numbers) and recoveries for batches 324-334.

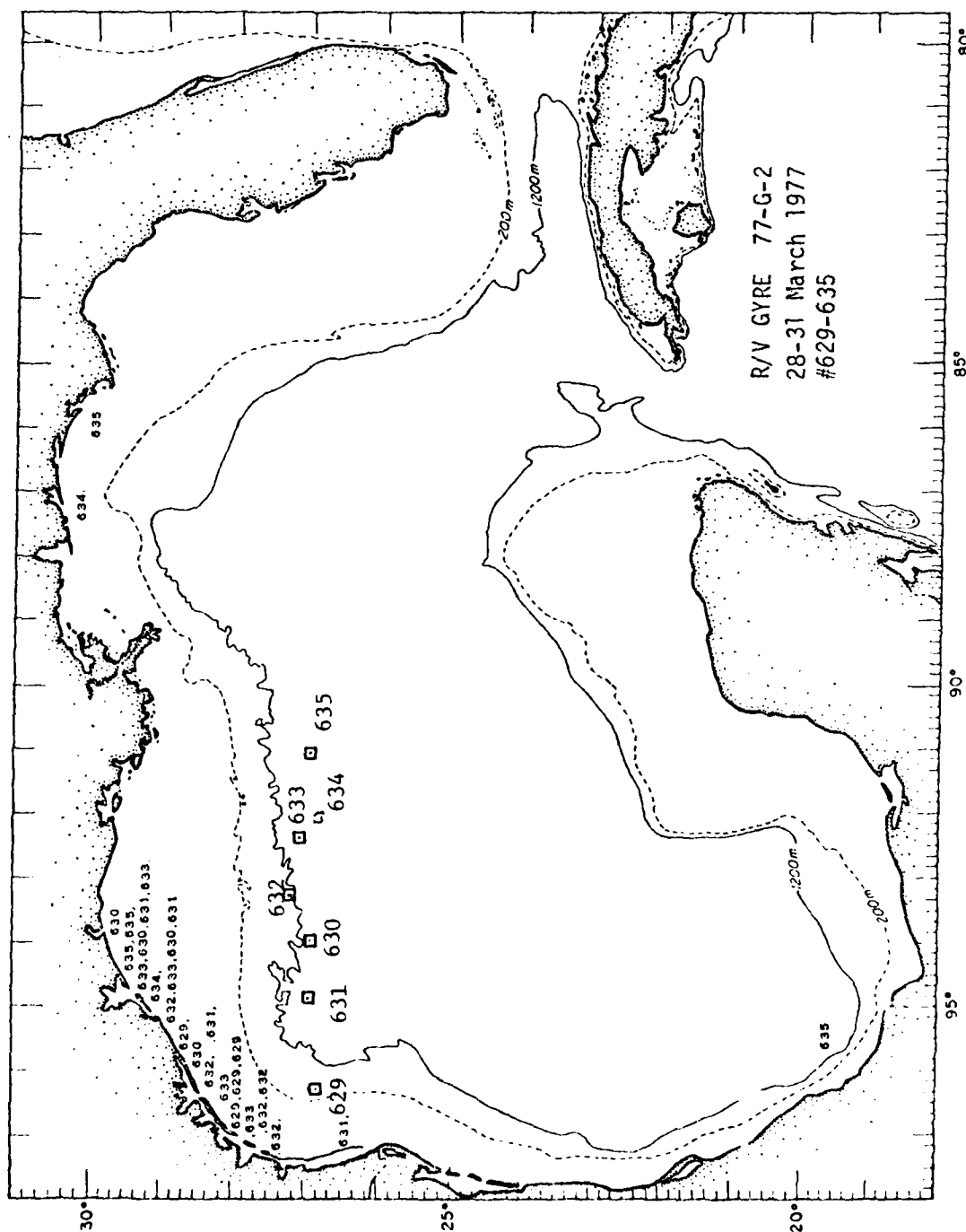


Figure 23. Locations of launches (denoted by squares and batch numbers) and recoveries for batches 629-635.

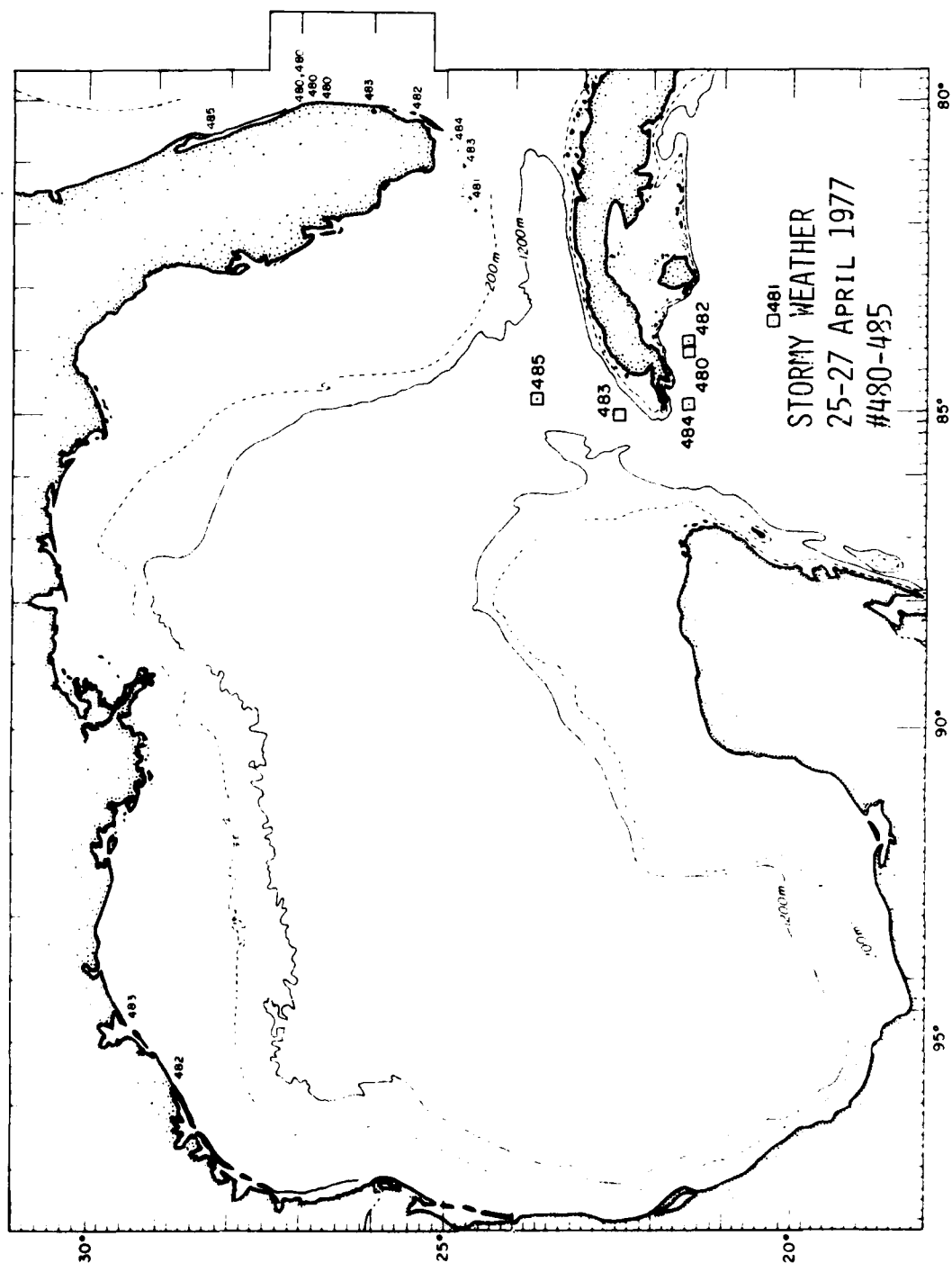


Figure 24. Locations of launches (denoted by squares and batch numbers) and recoveries for batches 480-485.

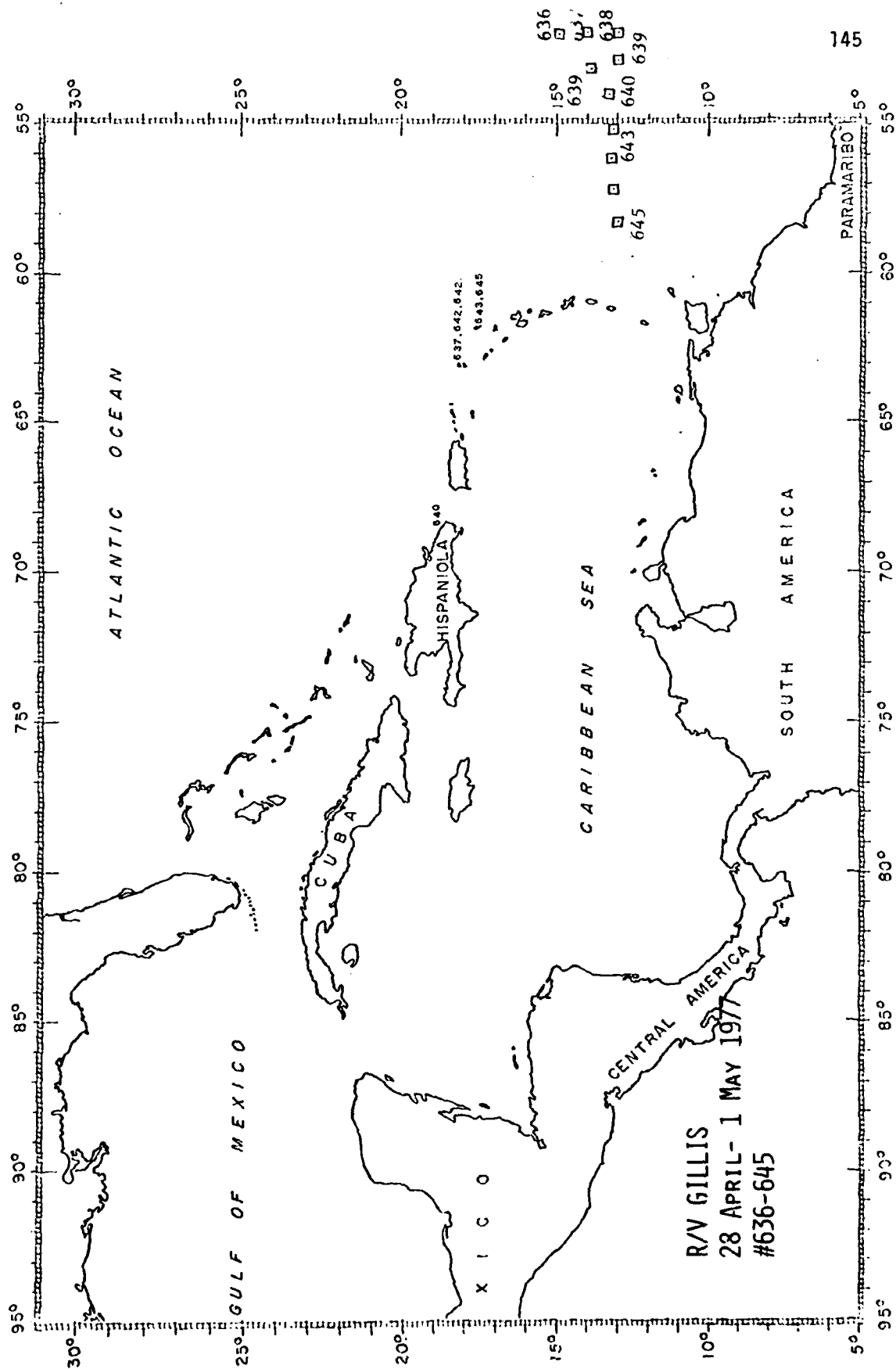


Figure 25. Locations of launches (denoted by squares and batch numbers) and recoveries for batches 636-645.

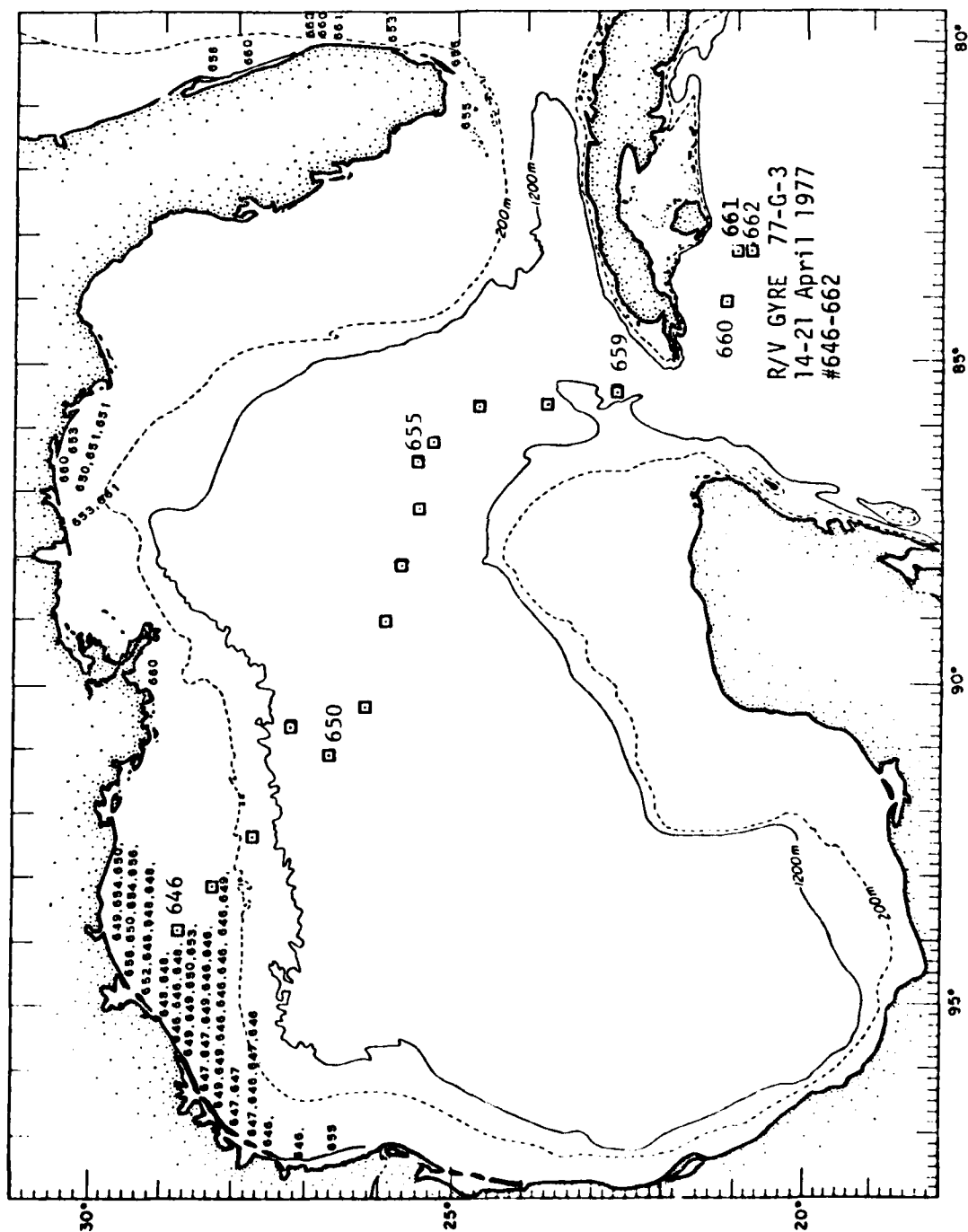


Figure 26. Locations of launches (denoted by squares and batch numbers) and recoveries for batches 646-662.

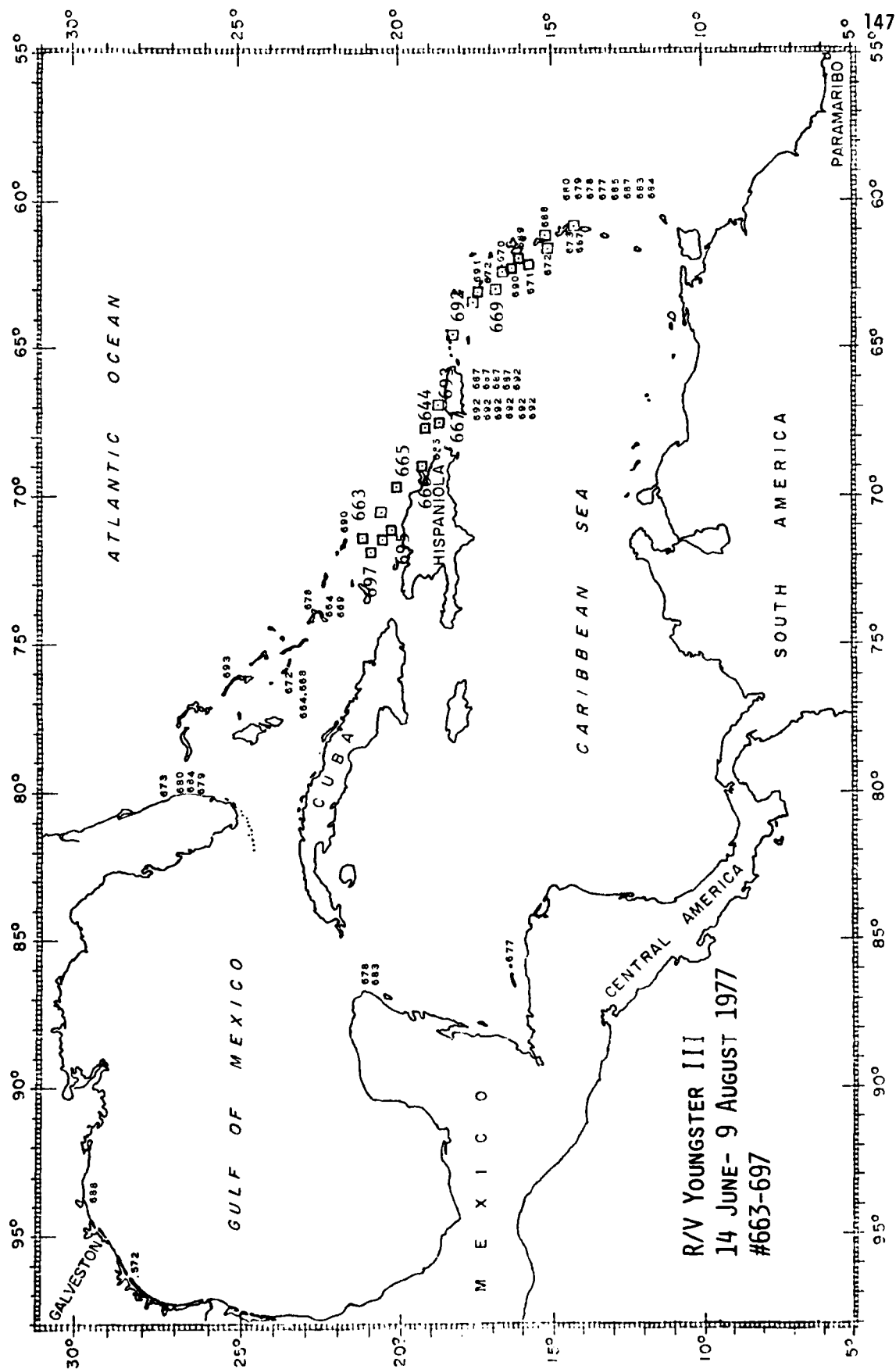


Figure 27. Locations of launches (denoted by squares and batch numbers) and recoveries for batches 663-697.

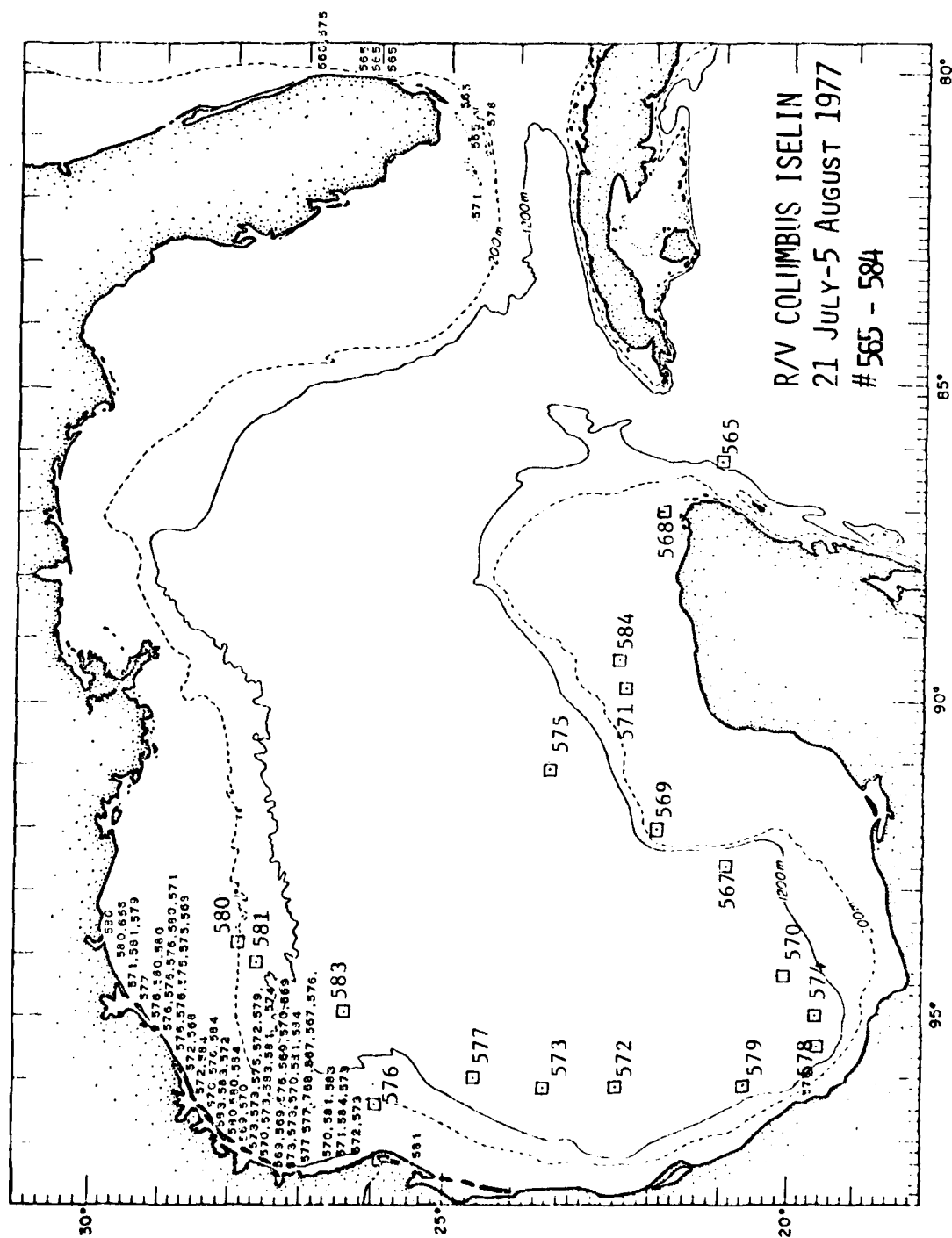
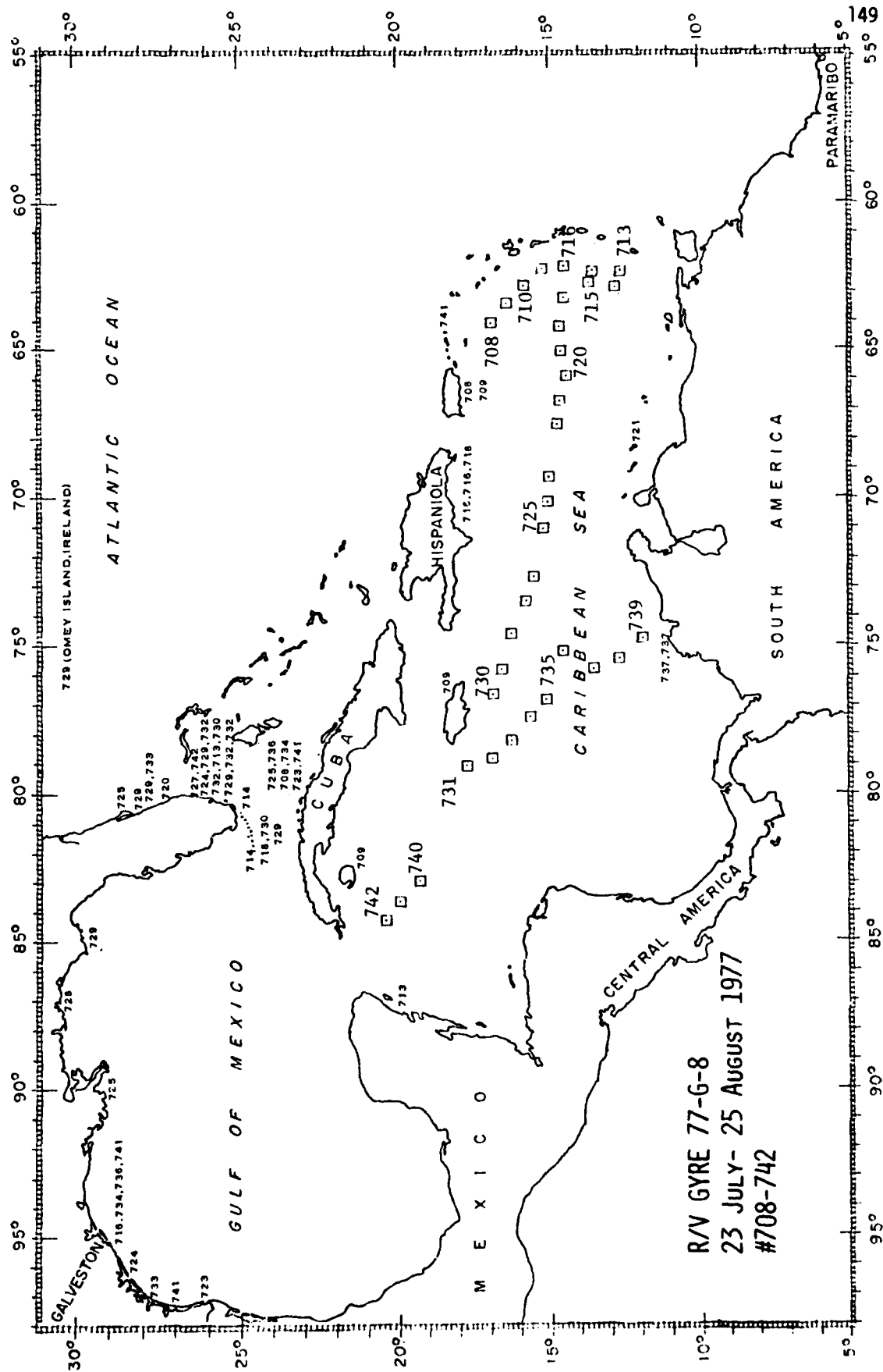


Figure 28. Locations of launches (denoted by squares and batch numbers) and recoveries for batches 565-584.



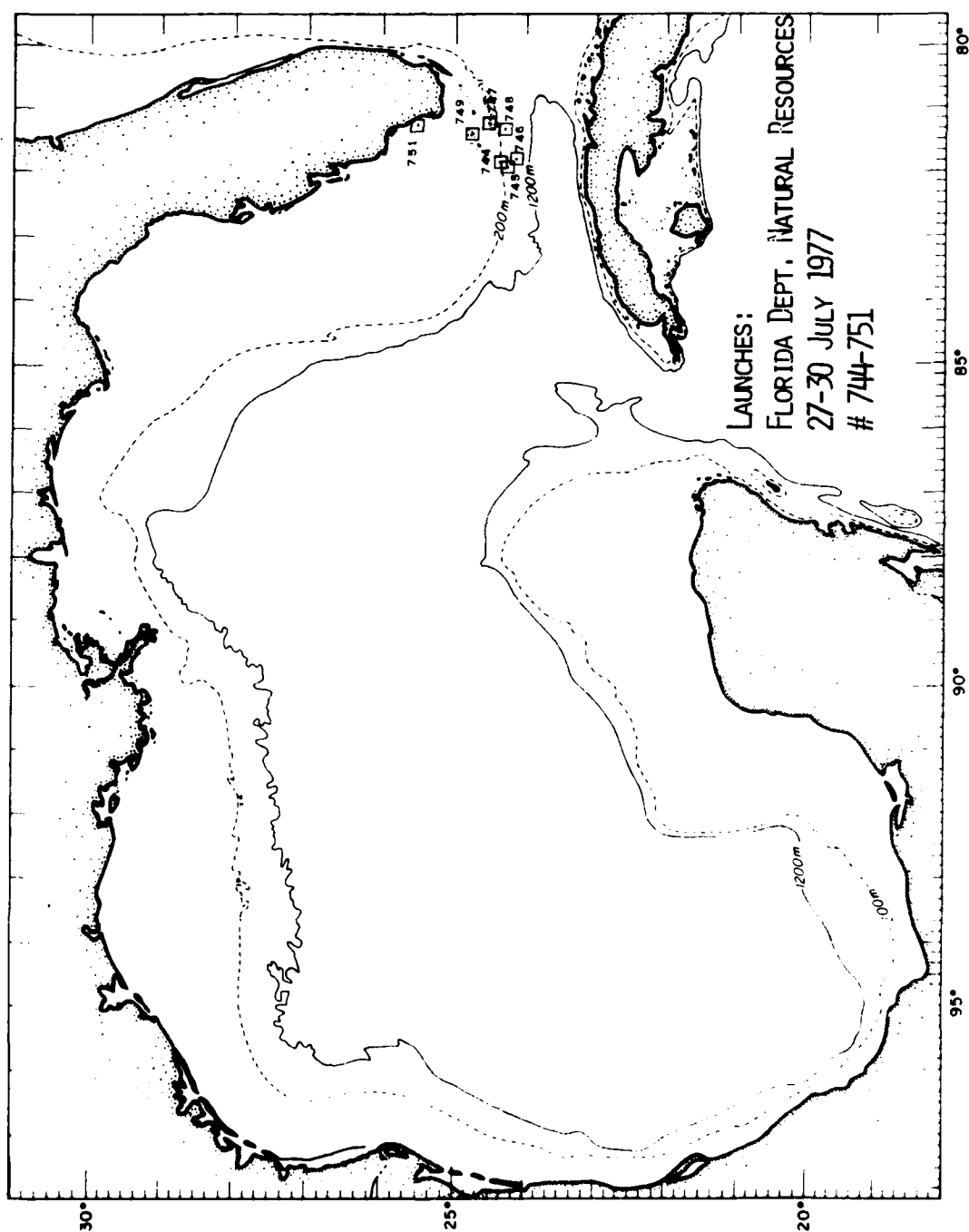
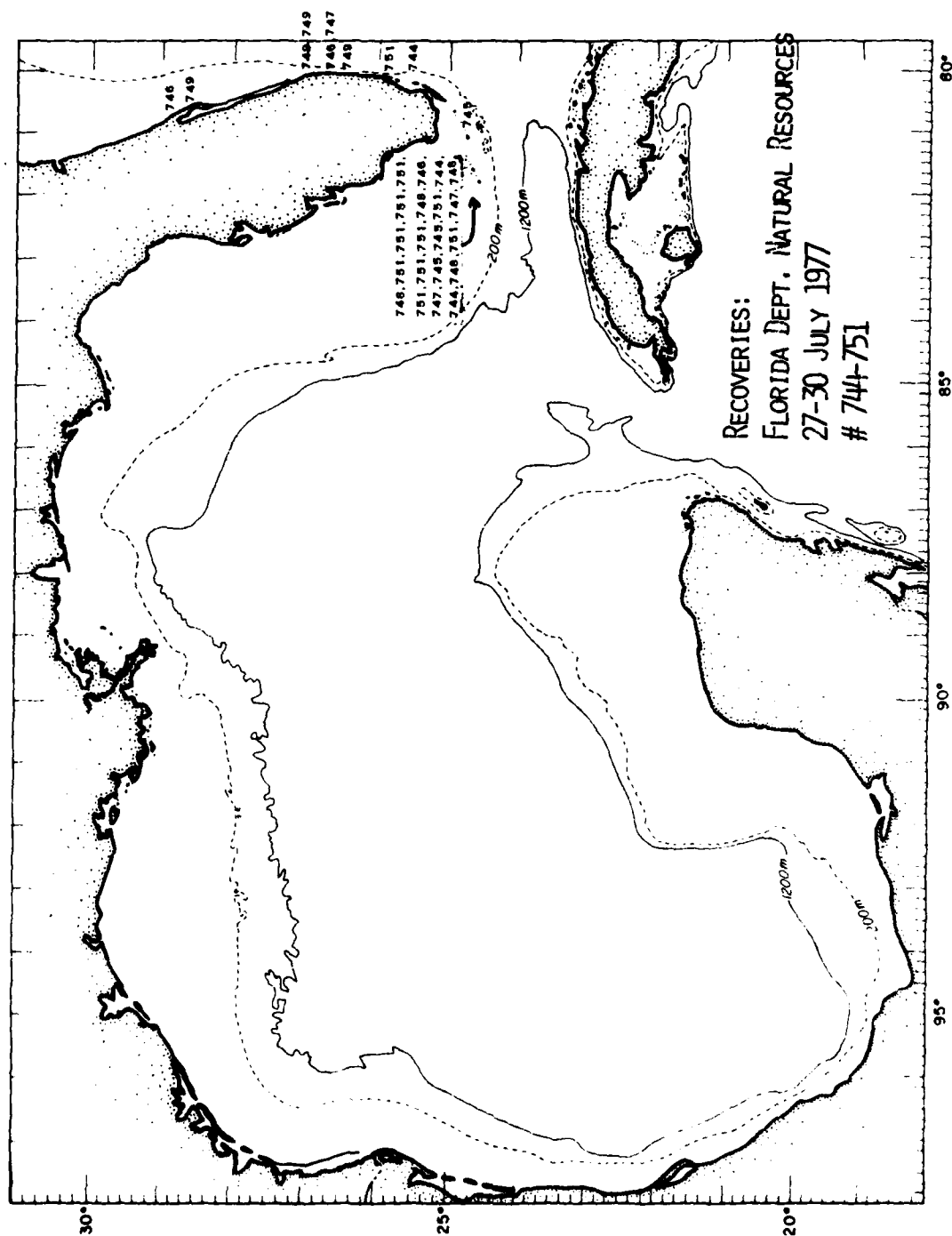


Figure 30a. Locations where drifter batches 744-751 were released.



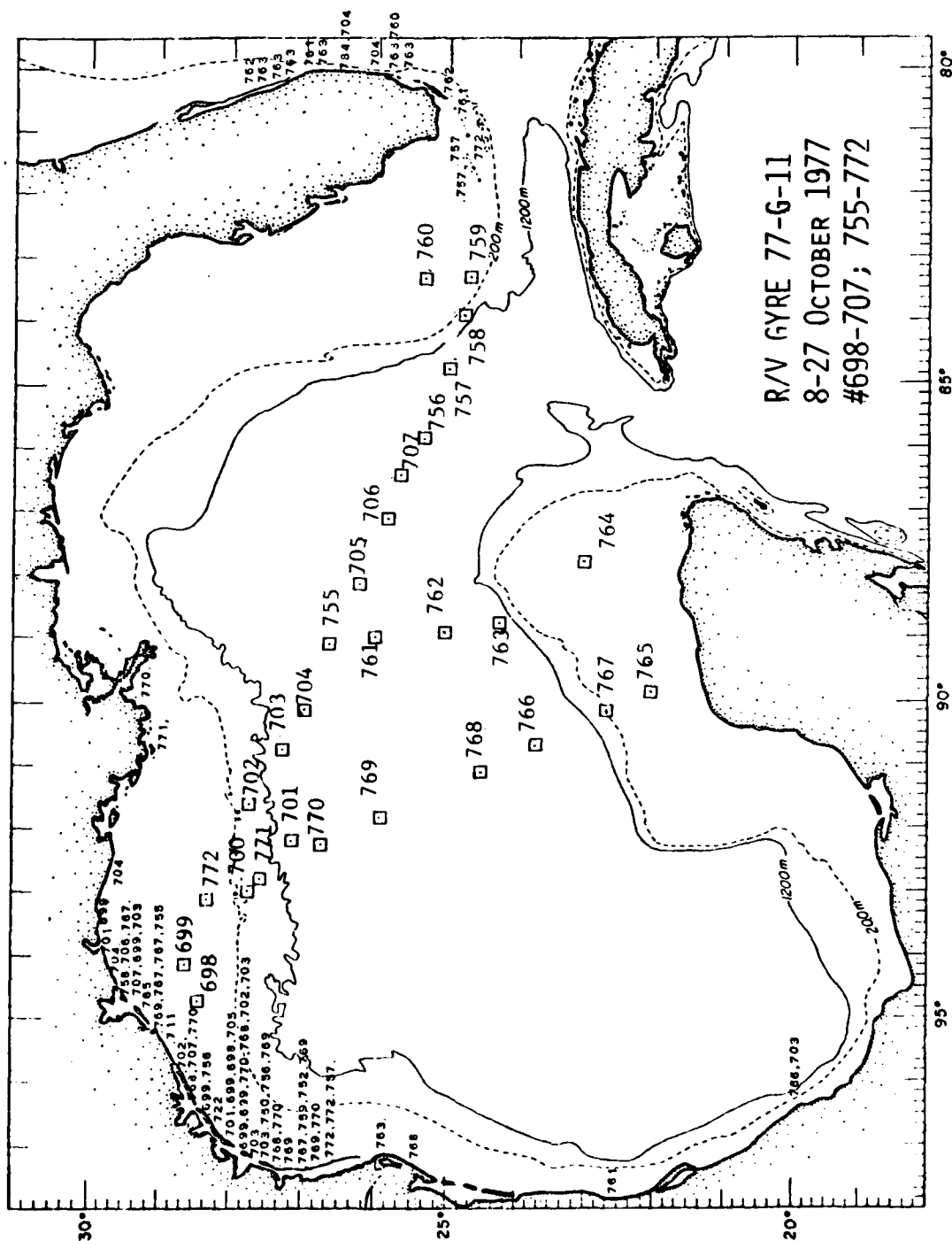


Figure 31. Locations of launches (denoted by squares and batch numbers) and recoveries for batches 698-707 and 755-772.

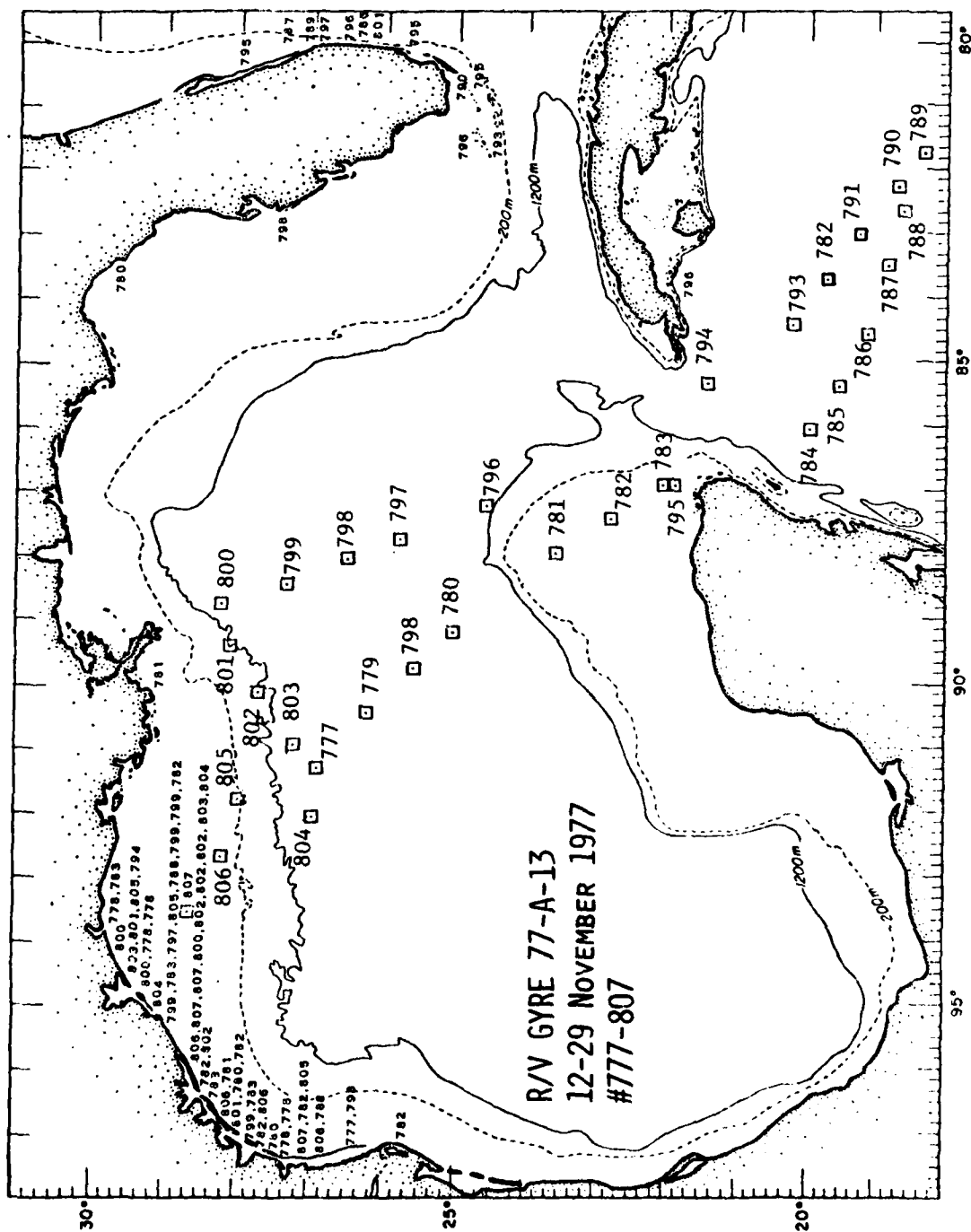


Figure 32. Locations of launches (denoted by squares and batch numbers) and recoveries for batches 777-807.

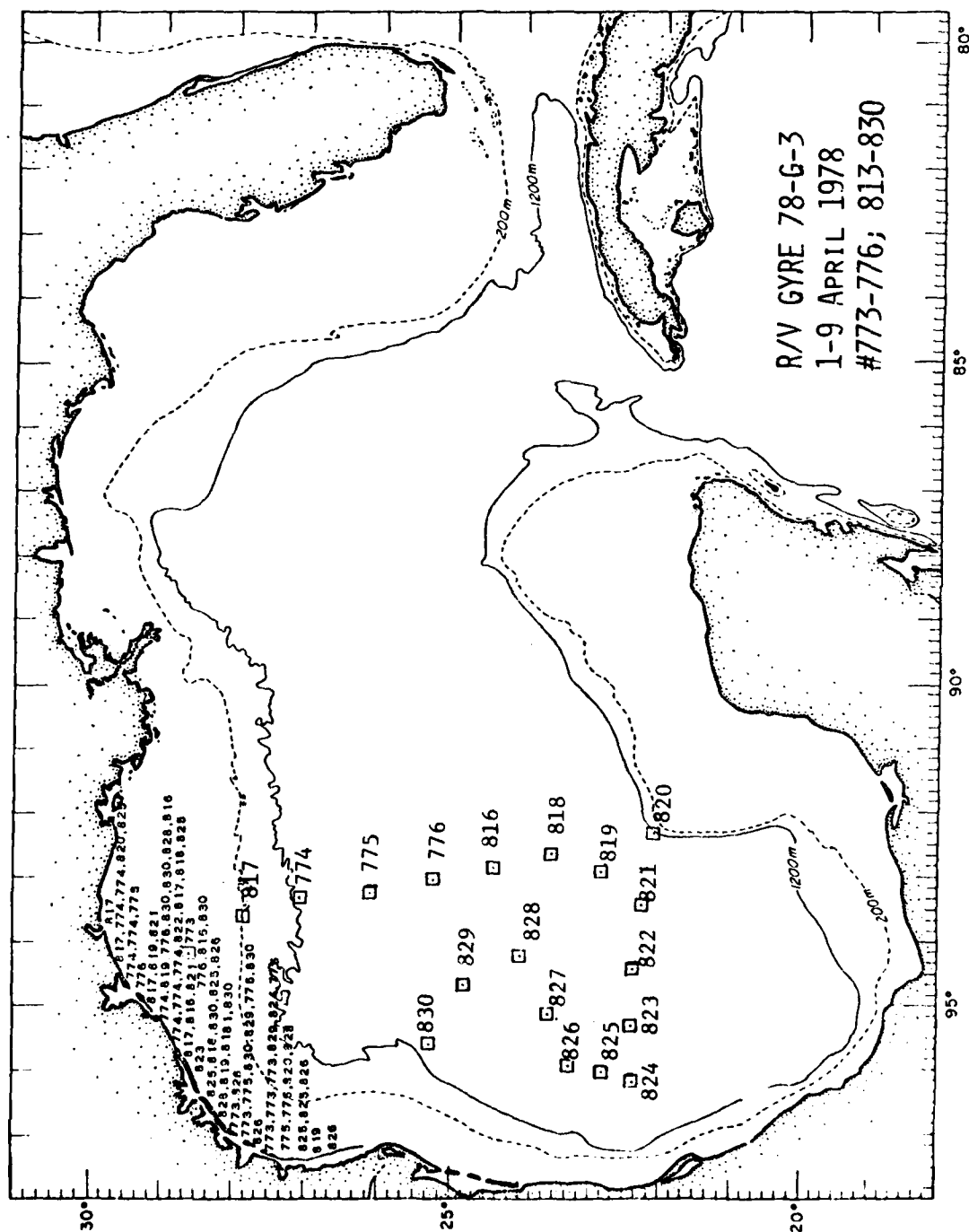


Figure 33. Locations of launches (denoted by squares and batch numbers) and recoveries for batches 773-776 and 813-830.

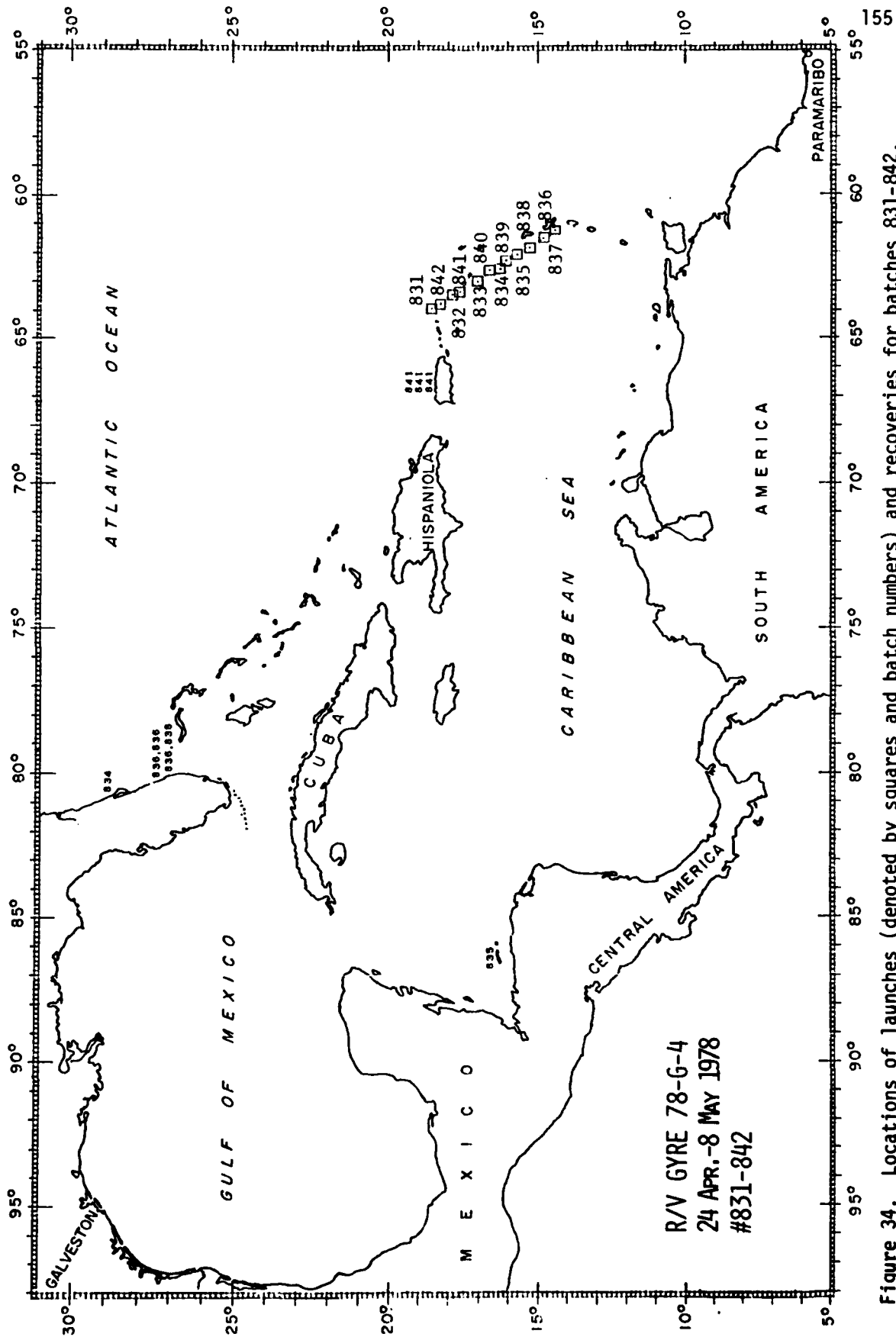


Figure 34. Locations of launches (denoted by squares and batch numbers) and recoveries for batches 831-842.

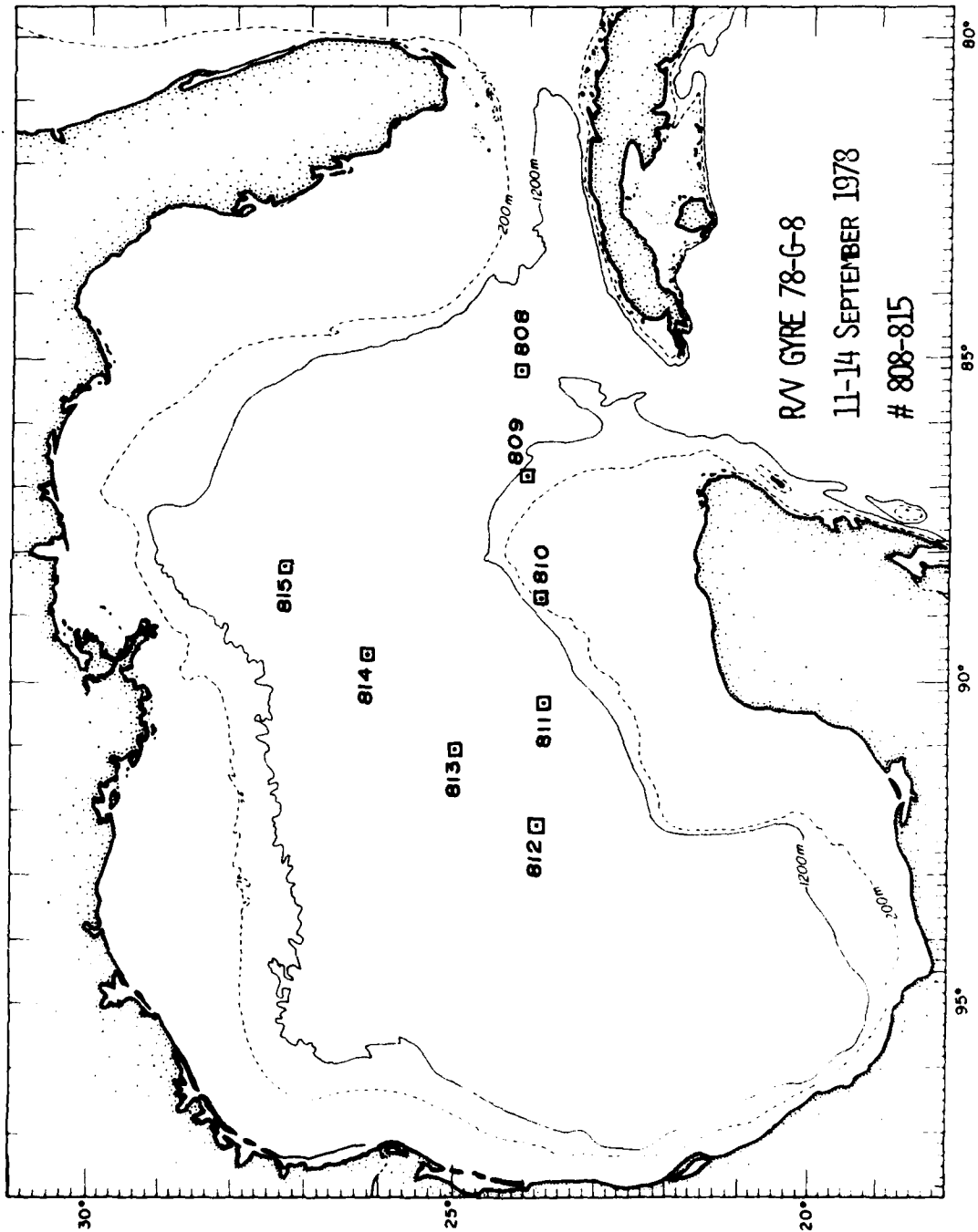


Figure 35. Locations where drifter batches 808-815 were released from R/V GYRE. No recoveries were reported.

